				PE JOH	TY. DOCKET NO.	l l	ICATION	NO.	Page 1 of 121
	500	NA DTO	1440	0000	42.5340005/BJD/JKM	10/7	92,035		
		M PTO-	1449 14		PLICANTS nesnut et al.				
INFORM	ATION D	ISCLOS	URE STATEME	TATE TRACE FIL	ING DATE		Unit		
				M	arch 4, 2004	163	5		
MDIED				U.S. PATENT	I DOCUMENTS	1	Taum 6	77.400	FILING DATE
MINER		DOCU	MENT NUMBER		NAME	CLASS	SUB-C	LASS	02/24/1984
JK .	AAl	4,626	,505		Falco		-}		04/30/1984
	ABI	4,673	,640	06/16/1987	Backman		-		
	AC1	4,683	,195	07/28/1987	Mullis et al.	$\perp \downarrow \downarrow$	—		02/07/1986
	AD1	4,683	,202	07/28/1987	Mullis	$\bot \bot$			10/25/1985
	AE1	4,743	,546	05/10/1988	Backman et al.				04/29/1987
	AFI	4,808	3,537	02/28/1989	Stroman et al.				10/30/1984
	AGI	4,855		08/08/1989	Stroman et al.				09/25/1985
	AHI	 	9,217	09/25/1990	Sanders et al.				05/22/1986
	All	+	9,317	09/25/1990	Sauer				06/17/1987
			5,188	10/23/1990	Mullis et al.				11/01/1989
	AJI	+		03/03/1992		-			05/26/1989
	AKI	5,09	3,257	1	TENT DOCUMENTS				
XAMINER	T	T		DATE	COUNTRY	CLAS	S SUE	-CLASS	TRANSLATIO
JK	ALI		UMENT NUMBER 0 160 571	11/06/1985				1 _	Y
			0 220 009	04/29/1987					Y
	AM1			01/25/1989					Y
	ANI		0 300 422	10/04/1990			1.		Y
	AOI		90/11375			-	_	+	Y
	API	WC	91/02801	03/07/1991	or, Title, Date, Pertinent Pag	es, etc.)			
JK	AR	1	Abremski, K.	et al., "Bacter	riophage P1 Cre-loxP Site- ity of the Cre Recombination Biochemistry and Molecula	specific l	.,		n: Site-specifi em. 261:391-
	AS	1	and Propertie	s of the Cre Ri	a., "Bacteriophage P1 Site-secombinase Protein," <i>J. Bio</i> and Molecular Biology (1986)	n. Chem.	259:1:	oination 509-15	n. Purification 14, American
	АТ	1	Abremski, K for Topologic Press (1993)	., <i>et al</i> ., "Studi cally Unlinked	es on the Properties of P1 S Products Following Recor	Homatio	,		
EXAMINER		 /Jame	s Ketter/					1DEREC 07/1	4/2006
		,		issien is in o	onformance with MPEP 609. Draw I	ine through	citation if	not in co	nformance and not

		Page 2 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
101011110-1447	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

XAMINER	T			U.S. PATEN	T DOCUMENTS				T
NITIAL	ļ	DOC	UMENT NUMBER	DATE	NAME	CLA	SS	SUB-CLASS	FILING DATE
JK	AA2	5,10	2,797	04/07/1992	Tucker et al.			_	01/19/1990
	AB2	5,15	59,062	10/27/1992	Knapp et al.				10/01/1990
	AC2	5,22	27,288	07/13/1993	Blattner				01/09/1991
	AD2	5,28	36,632	02/15/1994	Jones				07/16/1992
	AE2	5,33	34,375	08/02/1994	Nabi et al.				10/15/1993
	AF2	5,33	34,575	08/02/1994	Noonan et al.				12/17/1992
	AG2	5,34	48,886	09/20/1994	Lee et al.				09/04/1992
	AH2	5,3	54,668	10/11/1994	Auerbach				09/29/1992
	AI2	5,3	78,618	01/03/1995	Sternberg et al.				03/15/1994
	AJ2	5,4	34,066	07/18/1995	Bebee et al.				12/21/1993
	AK2	5,4	70,727	11/28/1995	Mascarenhas et al.				01/29/1993
				FOREIGN PA	TENT DOCUMENTS				
EXAMINER NITIAL		DOG	CUMENT NUMBER	DATE	COUNTRY	CL	ASS_	SUB-CLASS	
JK	AL2	EP	0 427 074	05/15/1991	Europe				Ye N
	AM2	W	O 91/09957	07/11/1991	WIPO				Ye N
	AN2	wo	O 91/16427	10/31/1991	WIPO				Ye N
	AO2	W	O 92/15694	09/17/1992	WIPO				Ye
	AP2	w	O 92/20791	11/26/1992	WIPO				Ye N
			OTHER (Inc	luding Author	, Title, Date, Pertinent Pa	iges, etc.)			
JK	AR	2	Required for λ for Biochemist	Excisive Recory and Molecu	n, S., "Purification of the ombination," <i>J. Biol. Che</i> ular Biology (1982)	em. 257:9	658	-9662, Am	erican Society
	AS	2	Adams, D.E., a Differences fro	et al., "Cre-lox om the in Vitro	Recombination in Eschool Reaction," J. Mol. Biol.	erichia co 226:661	oli C -673	ells: Mech	anistic c Press (1992)
	АТ	2	Akagi, K., et a Res. 25:1766-1	l., "Cre-media 773, Oxford l	ated somatic site-specific University Press (May 19	recombii 997)	natio	on in mice,	" Nucl. Acids
EXAMINER			/James	Ketter/		DAT	EC	ONSIDERED	/2006
					formance with MPEP 609. Draw				

		Page 3 of 121
	ATTY, DOCKET NO. 0942.5340005/BJD/JKM	Application No. 10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	American
INFORMATION DISCLOSURE COMMENT	FILING DATE	ART UNIT
	March 4, 2004	1030

				Ma	arch 4, 2004)30		
				U.S. PATENT	DOCUMENTS				
AMINER	Ţ	DOCLIN	IENT NUMBER		NAME	CLA	ss s	UB-CLASS	FILING DATE
JK	AA3	5,527,			Hodges et al.				02/03/1995
	AB3	5,591,		01/07/1997	Auerbach				02/17/1994
_	AC3	5,605		02/25/1997	Stemmer				09/26/1995
	AD3	5,614		03/25/1997	Auerbach				01/20/1995
	AE3	5,635		06/03/1997	Hooykaas et al.				06/07/1995
		5,650		07/22/1997	Baum				06/07/1995
	AF3	5,650		07/22/1997	Hannah et al.				07/27/1994
	AG3			08/05/1997	Wahl et al.				06/07/1995
	AH3	5,654		08/19/1997	Odell et al.				03/02/1994
	AI3	- 	8,772	10/14/1997		_	1		06/07/1995
	AJ3		7,170			-	1		07/29/1996
	AK3	5,67	7,177	10/14/1997 FOREIGN PA	TENT DOCUMENTS	l	<u> </u>	1	
EXAMINER		1			COUNTRY	CI	LASS	SUB-CLAS	S TRANSLATION
INITIAL JK	AL3	\neg	UMENT NUMBER 92/22650	12/23/1992	WIPO				N Ye
	AM3		0 542 466	05/19/1993	Europe				N
			93/15191	08/05/1993	+				Ye N
	AN3	_	93/19172	09/30/1993					Y O
	AO3			02/17/1994					Y
	AP3	CA	2,141,412 OTHER (I	ncluding Autho	or, Title, Date, Pertinent Pag	ges, etc	.)		
JК	AR	3	Aladjem, M.I Exchange Pro		ive Selection of FLP-Medi malian Cells," <i>Mol. Cell. E</i>	-4-3 71		al Sister C -861, Ame	hromatid rican Society fo
	AS	3	Albert, H., et placed in the	al., "Site-spec plant genome,	cific Integration of DNA in "Plant J. 7:649-659, Blac	ito wild	l-type Scien	e and muta	nt <i>lox</i> sites 995)
	АТ	3	Andrews, B. with Its Targ	J., et al., "The get Sequences,"	FLP Recombinase of the 2 "Cell 40:795-803, Cell Pro	008 (1)	•-,		
			l .						D 07/14/20

		Page 4 of 121
	ATTY. DOCKET NO. 0942.5340005/BJD/JKM	APPLICATION NO. 10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
INFORMATION DISCLOSURE STATEMENT	FILING DATE March 4, 2004	ART UNIT 1636

				U.S. PATENT	DOCUMENTS		$\neg \tau$	I	
AMINER ITIAL		DOCUM	ENT NUMBER	DATE 1	NAME	CLA	SS S	UB-CLASS	FILING DATE
JK	AA4	5,710,		01/20/1998	Grose		_		06/07/1995
	AB4	5,723,	765	03/03/1998	Oliver et al.				03/02/1995
_	AC4	5,728,	551	03/17/1998	Devine et al.				02/01/1996
	AD4	5,733,		03/31/1998	Auerbach				06/10/1996
	AE4	5,733		03/31/1998	Johnson et al.				03/08/1996
-	AF4	5,744		04/28/1998	Hodges et al.				02/13/1985
_	AG4	5,766		06/16/1998	Shuman				12/19/1994
	AH4	5,776		07/07/1998	Baum et al.				09/20/1996
		5,801		09/01/1998					09/01/1995
	AI4			09/29/1998					03/03/1995
	AJ4	5,814		11/03/1998			1		06/05/1995
	AK4	5,830	0,707	_	TENT DOCUMENTS		<u> </u>		
EXAMINER		\top			COUNTRY	CI	.ASS_	SUB-CLASS	TRANSLATION
NITIAL JK	-		JMENT NUMBER	02/17/1994			1		Yes No
- _	AL4		94/03624				1		Yes
	AM4	wo	94/09127	04/28/1994			+	1-1-	Yes
	AN4	wo	94/17176	08/04/1994	WIPO		+-	┼─┼─	Ye:
	AO4	wo	94/18333	08/18/1994	WIPO		1		No Ye
	AP4	wo	95/00555	01/05/1995				1	No.
			OTHER (In	cluding Autho	r, Title, Date, Pertinent P	ages, etc.	.)		
JК	AR	4	Andrews, B.J., 2µm Plasmid v Society for Mi	with Mutated	action of the FLP Recom Target Sequences," <i>Mol.</i> 986)	binase of Cell. Bi	f the <i>ol.</i> 6:	Saccharom 2482-2489	yces cerevisiae , American
	AS	4	int analysis	of gene expr	entification of diverse ne ession (SAGE) profiling of Sciences (September 2	, 1700.2	th fa Natl.	ctor-regula Acad. Sci.	ted genes by USA 97:10424-
	AT	4	Angrand, P.O vector strateg Oxford Unive	v for stable ex	scible expression based of expression in cultured celluly 1998)			combination of the combination o	
							ATE /	CANCIDEDE	D 07/14/200

		Page 5 of 121
	ATTY. DOCKET NO. 0942.5340005/BJD/JKM	APPLICATION NO. 10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
INFORMATION DISCLOSURE STATEMENT	FILING DATE March 4, 2004	ART UNIT 1636

					arch 4, 2004				
				U.S. PATENT	DOCUMENTS	1		22.45	FILING DATE
AMINER ITIAL		DOCU			NAME	CLA	<u>ss s</u>	SUB-CLASS	05/14/1996
JK	AA5	5,83	7,242		Holliger et al.		-+		05/20/1996
	AB5	5,83	7,458	11/17/1998	Minshull et al.	_}_	_		
	AC5	5,84	3,772	12/01/1998	Devine et al.	\rightarrow	\dashv		11/18/1994
	AD5	5,85	1,808	12/22/1998	Elledge et al.				02/28/1997
	AE5	5,85	8,657	01/12/1999	Winter et al.				06/07/1995
	AF5	5.87	1,907	02/16/1999	Winter et al.				03/31/1994
	AG5	 `	74,259	02/23/1999	Szybalski				11/21/1997
	AH5	 	38,732	03/30/1999	Hartley et al.				06/07/1996
	+	+	16,804	06/29/1999	Bushman				04/17/1998
	A15	+-		07/06/1999	Graham et al.				06/07/1995
	AJ5	+ -	19,676	07/27/1999		_	t		11/05/1996
<u>_</u>	AK5	5,9	28,914		TENT DOCUMENTS				
XAMINER	Τ	1		DATE	COUNTRY	CI	ASS	SUB-CLAS	S TRANSLATION
nitial JK	AL5		O 96/04393	02/19/1996			1_		No
			O 96/19497	06/27/1996	WIPO		1		Ye:
	AM5			10/03/1996					Ye Ne
	AN5		O 96/30498	12/19/1996			1		Ye N
	AO5	_	O 96/40722				+	1-1	Ye N
	AP5	W	O 96/40724	12/19/1990	r, Title, Date, Pertinent Pa	ges, etc.)		
JK 	AR	5	Anton, M., and	I Graham, F.L	., "Site-Specific Recombi Recombinase Protein: a Mo 00-4606, American Societ	nation	Medi r Swi		
	AS	5	Araki, H., et a Biol. 225:25-3	il., "Site-speci 7, Academic	fic Recombinase, R, Enco Press, Inc., New York, N	ded by	Yeas 2)	st Plasmid	pSR1," J. Mol.
	AT	5	Astumian, J.F. the Haemoph Escherichia c	I., et al., "Site ilus influenza coli," J. Bacte	e-specific recombination be bacteriophage HP1 propaction. 171:1747-1750, Ame	rican S	ociet	y for Micr	obiology (1989)
EXAMINER			/James Ke			D	ATE (CONSIDER	ED 07/14/20

		Page 6 of 121
	ATTY. DOCKET NO. 0942.5340005/BJD/JKM	APPLICATION No. 10/792,035
FORM PTO-1449	APPLICANTS Chesnut et al.	
INFORMATION DISCLOSURE STATEMENT	FILING DATE March 4, 2004	ART UNIT 1636

AA6 AB6 AC6	5,929	MENT NUMBER 0,307	DATE	NAME	CLA	SS	SUB-CLA	ASS_	FILING DATE
AB6	<u> </u>	,307		_				1	12/20/1996
	5.962		07/27/1999	Hodges et al.	_				
AC6	J - ,	2,255	10/05/1999	Griffiths et al.					12/05/1994
	5,981	1,177	11/09/1999	Demirjian et al.					01/25/1995
AD6	5,989	9,872	11/22/1999	Luo et al.					08/12/1997
AE6	6,010	0,884	01/04/2000	Griffiths et al.					05/29/1996
AF6	6,04	0,430	03/21/2000	Stewart					12/26/1995
AG6	+		05/23/2000	Ginsburg, et al.					11/06/1996
	 		06/16/2000	McVey et al.					02/25/1998
	+		06/27/2000	Zambrowicz, et al.					04/08/1998
-	+		11/07/2000	Hartley et al.					01/20/1999
 -	 		01/09/2001	Hartley et al.					01/12/1998
			FOREIGN PA	TENT DOCUMENTS					
Ι .		A D AFFIT NU INADED	DATE	COUNTRY	CI	LASS	SUB-CI	LASS	TRANSLATIO
A16	+===		· · · · · · · · · · · · · · · · · · ·						Ye
 						1			Y
-			07/17/1997	7 WIPO					Y .
ļ									Y
						+			Y
AP6	W			·	es, etc.	<u> </u>			
AR	<u>6</u>	Ausubel, F.M Molecular Bio	e of Escherich	o of Plasmids pBR322 and	pUC1	9." in	Short	Prote	ocols in
AT	6	Excision (VE Several Gram	X) The <i>trfA</i> G i-negative Hos	lene of Promiscilolis Plasili	185, A	cade	mic Pre	ss (1	993)
	AG6 AH6 AI6 AJ6 AK6 AK6 AK6 AM6 AM6 AM6 AM6 AM7 AF6	AG6 6,06 AH6 6,08 AJ6 6,14 AK6 6,17 DOC AL6 WC AM6 WC AM6 WC AP6 WC AR 6 AR 6 AT 6	AG6 6,066,778 AH6 6,063,627 AI6 6,080,576 AJ6 6,143,557 AK6 6,171,861 DOCUMENT NUMBER AL6 WO 97/06265 AM6 WO 97/09436 AN6 WO 97/25446 AO6 WO 97/32481 AP6 WO 98/10086 OTHER (In AR 6 Atlung, T., et a attachment site AS 6 Molecular Bic (1995) AT 6 Excision (VE Several Gram /James	AG6 6,066,778 05/23/2000 AH6 6,063,627 06/16/2000 AI6 6,080,576 06/27/2000 AJ6 6,143,557 11/07/2000 AK6 6,171,861 01/09/2001 FOREIGN PA DOCUMENT NUMBER DATE AL6 WO 97/06265 02/20/1997 AM6 WO 97/09436 03/13/1997 AM6 WO 97/25446 07/17/1997 AP6 WO 98/10086 03/12/1999 AP6 WO 98/10086 03/12/1999 OTHER (Including Author State of Escherich Ausubel, F.M., et al., "A versati attachment site of Escherich (1995) AT 6 Ayres, E.K., et al., "Precise Excision (VEX) The trfA Construction of the property of the propert	AG6 6,066,778 05/23/2000 Ginsburg, et al. AH6 6,063,627 06/16/2000 McVey et al. AI6 6,080,576 06/27/2000 Zambrowicz, et al. AI6 6,143,557 11/07/2000 Hartley et al. AK6 6,171,861 01/09/2001 Hartley et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY AL6 WO 97/06265 02/20/1997 WIPO AM6 WO 97/09436 03/13/1997 WIPO AN6 WO 97/25446 07/17/1997 WIPO AO6 WO 97/32481 09/12/1997 WIPO AP6 WO 98/10086 03/12/1998 WIPO OTHER (Including Author, Title, Date, Pertinent Pagent attachment site of Escherichia coli," Gene 107:11-17, AS 6 Molecular Biology, Third Edition, John Wiley & Sons (1995) AT 6 Excision (VEX) The trfA Gene of Promiscuous Plasm Several Gram-negative Hosts," J. Mol. Biol. 230:174- /James Ketter/	AG6 6,066,778 05/23/2000 Ginsburg, et al. AH6 6,063,627 06/16/2000 McVey et al. AH6 6,080,576 06/27/2000 Zambrowicz, et al. AH6 6,143,557 11/07/2000 Hartley et al. AK6 6,171,861 01/09/2001 Hartley et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY AH6 WO 97/06265 02/20/1997 WIPO AM6 WO 97/05446 07/17/1997 WIPO AN6 WO 97/25446 07/17/1997 WIPO AN6 WO 97/32481 09/12/1997 WIPO AP6 WO 98/10086 03/12/1998 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc. AUSUBEL, F.M., et al., "A versatile method for integration of generatic attachment site of Escherichia coli," Gene 107:11-17, Elsevic Molecular Biology, Third Edition, John Wiley & Sons, Inc., (1995) Ayres, E.K., et al., "Precise Deletions in Large Bacterial Gerecation of Country with the Inc., Inc.	AG6 6,066,778 05/23/2000 Ginsburg, et al. AH6 6,063,627 06/16/2000 McVey et al. AI6 6,080,576 06/27/2000 Zambrowicz, et al. AI6 6,143,557 11/07/2000 Hartley et al. AK6 6,171,861 01/09/2001 Hartley et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS AL6 WO 97/06265 02/20/1997 WIPO AM6 WO 97/09436 03/13/1997 WIPO AN6 WO 97/25446 07/17/1997 WIPO AN6 WO 97/32481 09/12/1997 WIPO AP6 WO 98/10086 03/12/1998 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR 6 Alung, T., et al., "A versatile method for integration of genes and attachment site of Escherichia coli," Gene 107:11-17, Elsevier Science of Molecular Biology, Third Edition, John Wiley & Sons, Inc., Bosto (1995) Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genome Excision (VEX) The tr/A Gene of Promiscuous Plasmid RK2 is Escevaral Gram-negative Hosts," J. Mol. Biol. 230:174-185, Academ	AG6 6,066,778 05/23/2000 Ginsburg, et al. AH6 6,063,627 06/16/2000 McVey et al. AI6 6,080,576 06/27/2000 Zambrowicz, et al. AI6 6,143,557 11/07/2000 Hartley et al. AK6 6,171,861 01/09/2001 Hartley et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY AL6 WO 97/06265 02/20/1997 WIPO AM6 WO 97/09436 03/13/1997 WIPO AN6 WO 97/25446 07/17/1997 WIPO AN6 WO 97/32481 09/12/1997 WIPO AP6 WO 98/10086 03/12/1998 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR 6 Ausubel, F.M., et al., "A versatile method for integration of genes and gene for attachment site of Escherichia coli," Gene 107:11-17, Elsevier Science (1995) AUSUBEL, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in Short Molecular Biology, Third Edition, John Wiley & Sons, Inc., Boston, MA (1995) Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genomes by Ve Excision (VEX) The trfA Gene of Promiscuous Plasmid RK2 is Essentia Several Gram-negative Hosts," J. Mol. Biol. 230:174-185, Academic Pre James Ketter/	AG6 6,066,778 05/23/2000 Ginsburg, et al. AH6 6,063,627 06/16/2000 McVey et al. AI6 6,080,576 06/27/2000 Zambrowicz, et al. AI6 6,143,557 11/07/2000 Hartley et al. AK6 6,171,861 01/09/2001 Hartley et al. FOREIGN PATENT DOCUMENTS AL6 WO 97/06265 02/20/1997 WIPO AM6 WO 97/09436 03/13/1997 WIPO AN6 WO 97/32481 09/12/1997 WIPO AN6 WO 97/32481 09/12/1997 WIPO AP6 WO 98/10086 03/12/1998 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR Atlung, T., et al., "A versatile method for integration of genes and gene fusion attachment site of Escherichia coli," Gene 107:11-17, Elsevier Science (1991) AS Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in Short Protection of Molecular Biology, Third Edition, John Wiley & Sons, Inc., Boston, MA, pp. (1995) Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genomes by Vector-Excision (VEX) The trfA Gene of Promiscuous Plasmid RK2 is Essential for Several Gram-negative Hosts," J. Mol. Biol. 230:174-185, Academic Press (1

		Page 7 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЛД/ЛКМ	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

			U.S. PATEN	T DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
JK	AA7	6,225,121	05/01/2001	Savakis, C. et al.			04/27/1998			
	AB7	6,262,341	07/17/2001	Baszczynski et al.			11/17/1998			
	AC7	6,270,969	08/07/2001	Hartley et al.			01/20/1999			
	AD7	6,271,436	08/07/2001	Piedrahita et al.			10/10/1997			
	AE7	6,277,608	08/21/2001	Hartley et al.			04/22/1999			
	AF7	2002/0007051	01/17/2002	Cheo et al.			12/11/2000			
	AG7	6,361,972	03/26/2002	Harrington et al.			01/10/2000			
	AH7	6,365,377	04/02/2002	Patten et al			03/03/2000			
	AI7	2002/0068290	06/06/2002	Yarovinsky			05/31/2001			
	AJ7	6,410,266	06/25/2002	Harrington et al.			01/07/2000			
1	AK7	6,410,317	06/25/2002	Farmer			07/14/2000			
			OREIGN PA	TENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
JK	AL7	WO 98/53056	11/26/1998	WIPO			Yes X No			
JK	AM7	WO 99/10488	03/04/1999	WIPO			Yes No			
JK	AN7	WO 99/21977	05/06/1999	WIPO			Yes No			
JK	A07	WO 99/25851	05/27/1999	WIPO			Yes X No			
JK	AP7	WO 99/55851	11/04/1999	WIPO			Yes No			
		OTHER (Inc	luding Author	r, Title, Date, Pertinent Page	s, etc.)					
	AR	Babineau, D., 6 260:12313-123	et al., "The FL 91, American	P Protein of the 2-micron F Society for Biochemistry a	Plasmid of and Molect	Yeast," J. B.	iol. Chem. , Inc. (1985)			
	AS	Backman, K., et al., "Use of Synchronous Site-Specific Recombination In Vivo to Regulate Gene Expression," BioTechnology 2:1045-1049 (1984)								
	АТ	Bai, C., et al., through a Nov	"SKP1 Conne el Motif, the F	cts Cell Cycle Regulators to F-Box," Cell 86:263-274, C	o the Ubiq ell Press (J	uitin Proteol July 1996)	ysis Machinery			
EXAMINER		/Jam	es Ketter/		DATEC	ONSIDERED	07/14/2006			
		·				ion if not in confe				

		Page 8 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

TALLANDER .				U.S. PATEN	T DOCUMENTS				
EXAMINER NITIAL			DOCUMENT NUMBER	DATE	NAME	CL	LASS SUB-CLASS		FILING DATE
JК	AA8	:	2002/0094574	07/18/2002	Hartley et al.				05/16/2001
	AB8		2002/0106797	08/08/2002	Miles et al.				03/12/2001
	AC8	-	6,436,707	08/20/2002	Zambrowicz et al.				03/25/1999
	AD8		2002/0172997	11/21/2002	Hartley et al.				07/19/2001
	AE8		2002/0182731	12/05/2002	Ji et al.				01/25/2002
	AF8		2002/0192819	12/19/2002	Hartley et al.				07/19/2001
	AG8		2003/0027289	02/06/2003	Farmer				04/05/2002
	AH8		2003/0027337	02/06/2003	Droge et al.				02/25/2002
	AI8		2003/0054552	03/20/2003	Hartley et al.				01/30/2002
	AJ8		2003/0054555	03/20/2003	Farmer et al.				09/17/2002
	AK8		2003/0059900	03/27/2003	Farmer				01/17/2002
				FOREIGN PA	TENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS	SUB-CLASS	_+
JK	AL8		WO 00/12687	03/09/2000	WIPO				Yes No
JK	AM8		EP 1 035 208	09/13/2000	Europe				Yes No
JK	AN8		WO 00/60091	10/12/2000	WIPO				Yes No
JK	AO8		WO 01/05961	01/25/2001	WIPO				Yes No
JK	AP8		WO 01/07572	02/01/2001	WIPO				Yes No
	· · · · · · · · · · · · · · · · · · ·		OTHER (Inc	luding Author	, Title, Date, Pertinent Pag	es, etc.)			
jk	AR	8	Balakrishnan, l att-Int-mediate Science (Janua	d rearrangeme	ene cassette for adapting E int and p_{L} expression vector	Escherie ors," Ge	chia ene I	<i>coli</i> strains 38:101-104	as hosts for I, Elsevier
	AS	8	Ball, C.A., and Chromosome F Microbiology (Requires the Fi	., "Efficient Excision of Pl is Protein," J. Bacteriol. 17	nage λ 1 73: 402	from 7-40	the <i>Escher</i> 31, Americ	<i>ichia coli</i> an Society for
	AT	8	cerevisiae: Nu	clear entry and	gulated expression of endo biological consequences, by of Sciences (1985)				
EXAMINER	1	1_		Tames Kette	er/ ·	DAT	E CC	NSIDERED	07/14/200

		Page 9 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATEN	T DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME	CL	<u>ASS</u>	SUB-CLA	SS_	FILING DATE
JК	AA9	200	3/0064515	04/03/2003	Hartley et al.					01/30/2002
	AB9	200	3/0068799	04/10/2003	Hartley et al.					06/06/2002
	AC9	200	3/0077804	04/24/2003	Byrd et al.					04/19/2002
	AD9	200	3/0100110	05/29/2003	Hartley et al.					11/02/1999
	AE9	200	3/0124555	07/03/2003	Brasch et al.					05/21/2002
	AF9	200	3/0153055	08/14/2003	Miles et al.					02/20/2003
	AG9	200	3/0157662	08/21/2003	Gerard et al.					11/13/2002
	AH9	200	3/0157716	08/21/2003	Hartley et al.					11/02/2001
	AI9	200	3/0175970	09/18/2003	Hartley et al.					11/21/2002
	AJ9	200	3/0176644	09/18/2003	Byrd et al.					02/07/2002
1	AK9	200	3/0186233	10/02/2003	Chesnut et al.					12/07/2001
			F	OREIGN PAT	TENT DOCUMENTS					
EXAMINER INITIAL		DOG	CUMENT NUMBER	DATE	COUNTRY	CI	.ASS	SUB-CLA	SS	TRANSLATION
JK	AL9	wo	O 01/11058	02/15/2001	WIPO					Yes No
	AM9	wo	O 01/31039	05/03/2001	WIPO					Yes No
	AN9	wo	O 01/62892	08/30/2001	WIPO					Yes No
	AO9	wo	0 02/00875	01/03/2002	WIPO					Yes No
	AP9	wo	O 02/05294	01/17/2002	WIPO					Yes No
			OTHER (Incl	uding Author	, Title, Date, Pertinent Pages	, etc.)				
JК	AR	9	Bauer, C.E., et a	ul., "Extent of pination," J. λ	Sequence Homology Requi Mol. Biol. 181:187-197, Aca	ired 1 demi	or Bac Pre	acterioph ss Inc. (1	age 1985	Lambda Site-
	AS	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," Plant Mol. Biol. 18:353-361, Dordrecht Kluwer Academic (1992)								
	AT	2	Bernard, P., and Poisoning of DN Press, Inc. (1993)	NA-topoisome	1., "Cell Killing by the F pla erase II Complexes," <i>J. Mol</i>	smid . <i>Bio</i>	Ccd 1. 220	b Protein 5:735-74:	Inv 5, A	rolves cademic
EXAMINER			/James	Ketter/		DA	re cc	NSIDERE	D	07/14/2006

		Page 10 of 121
500M PMO 1440	ATTY. DOCKET NO. 0942.5340005/BJD/JKM	APPLICATION No. 10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

(ALCOUED T				U.S. PATEN					
CAMINER ITIAL		DOC	JMENT NUMBER	DATE	NAME	CLAS	ss	SUB-CLASS	FILING DATE
JK	AA10	2003	3/0220249	11/27/2003	Hackett et al.				02/07/2003
	AB10	2004	1/0040053	02/26/2004	Nomura et al.				11/22/2002
	AC10	2004	1/0053412	03/18/2004	Hartley et al.				03/26/2003
	AD10	2004	4/0063207	04/01/2004	Hartley et al.				10/08/2003
	AE10	6,72	0,140	04/13/2004	Hartley et al.				02/04/2000
	AF10	2004	4/0171156	09/02/2004	Hartley et al.				04/02/2004
	AG10	200	4/0171157	09/02/2004	Hartley et al.				04/08/2004
	AH10	200	4/0219516	11/04/2004	Bennett et al.				07/18/2003
	A110	200	4/0219673	11/04/2004	Hartley et al.				03/10/2004
	AJ10	200	4/0229229	11/18/2004	Cheo et al.				08/14/2003
	AK10	200	4/0253631	12/16/2004	Hartley et al.				07/19/2004
	<u> </u>		1	OREIGN PA	TENT DOCUMENTS			•	
XAMINER NITIAL		DOC	UMENT NUMBER	DATE	COUNTRY	CLA	\SS_	SUB-CLASS	TRANSLATION
JK	AL10	+	0 02/08391	01/31/2002			-		Ye
	AM10	+-	0 02/16594	02/28/2002				! !	Ye
JK JK	AN10	+	0 02/061034	08/08/2002					Ye
JK	AO10	-	0 03/025161	03/27/2003	WIPO				Ye N
JK	AP10	+-	0 03/103600	12/18/2003					Ye Ne
	1				, Title, Date, Pertinent Pa	ges, etc.)			
JK	AR	<u>10</u>	Bernard, P., "P Eaton Publishin		ion of Recombinant DNA (1996)	by CcdE	3," <i>E</i>	BioTechniqu	es 21:320-323
	AS	<u>10</u>	Bernard, P. et d Cleavage by G	al., "The F Pla yrase," <i>J. Mod</i>	nsmid CcdB Protein Induction Inducti	ces Effici demic Pro	ent a	ATP-depend Inc. (1993)	lent DNA
	AT	10	Bernard, P., et 148: 71-74, El	al., "Positive sevier Science	selection of vectors using (1994)	g the F pla	asm	id <i>ccd</i> B kille	er gene," <i>Gen</i>
1			1						

		Page 11 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATEN	IT DOCUMENTS						
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
JK	AAII	1	004/0265863	12/30/2004				03/04/2004			
	ABII	2	005/0009091	01/13/2005	Hartley et al.			08/19/2004			
	AC										
_	AD										
	AE										
	AF										
	AG										
	AH					Ĺ					
	AI										
	AJ										
	AK					J	<u> </u>				
EXAMINER	1	-	F(OREIGN PA'	TENT DOCUMENTS	T	·				
INITIAL	ļ	1	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes			
	AL							No			
	AM							Yes No			
	AN						<u></u>	Yes No			
	AO							Yes No			
	AP							Yes No			
	. т		OTHER (Incl	uding Author	, Title, Date, Pertinent Pages,	etc.)	<u> </u>				
JК	AR	11	genotoxic stress	activation of	egmental genomic replaceme the p53 promoter in single-c Jniversity Press (1997)	nt by Croopy trans	e-mediated r sformants," I	ecombination: Vucl. Acids			
JK	AS	<u>11</u>	Betz, U.A.K., et recombination,"	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," Curr. Biol. 6:1307-1316, Current Biology Ltd. (October 1996)							
JК	АТ	Bhandari, P., and Gowrishankar, J., "An Escherichia coli host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," J. Bacteriol 179:4403-4406, American Society for Microbiology (July 1997)									
EXAMINER	1	L	/James K	etter/		DATE CO	NSIDERED	07/14/2006			
DY A MINIED. 1-	.:-1:66			aireina in in ann	formance with MPEP 600 Draw line th	much citatio	n if not in confo	rmance and not			

FORM PTO-1449	
INFORMATION DISCLOSURE STATEMENT	

	Page 12 of 121
ATTY. DOCKET NO.	APPLICATION NO.
0942.5340005/BJD/JKM	10/792,035
APPLICANTS	
Chesnut et al.	
FILING DATE	ART UNIT
March 4, 2004	1636

	,			U.S. PAT	TENT DOCUMENTS			,	
EXAMINER NITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE						<u> </u>		
	AF								
	AG								
	AH								
	AI	_							
	AJ								
	AK								
			F	OREIGN	PATENT DOCUMEN	TS			
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
	<u> </u>		OTHER (Inc	luding Aut	hor, Title, Date, Pertir	nent Pages, etc.)			
JK	AR	12	Black, L.W., "I phage lambda I	n vitro pac DNAs," <i>Ge</i>	ckaging into phage T4 ene 46:97-101, Elsevi	particles and speci er Science (1986)	fic recircular	rization of	
JK	AS	12	Bloch, C.A., et al., "Purification of Escherichia coli Chromosomal Segments without Cloning," Biochem. Biophys. Res. Comm. 223:104-111, Academic Press, Inc. (1996)						
JK	AT	12	Bochner, B.R., 143:926-933, A	<i>et al.</i> , "Po merican S	sitive Selection for Lo Society for Microbiolo	oss of Tetracycline ogy (1980)	Resistance,"	J. Bacteriol.	
EXAMINER	1	Т	/Jame	es Kette	er/	DATE CO	ONSIDERED	07/14/2006	
EXAMINER: In:	itial if refe	erence c		t citation is in	conformance with MPEP 609). Draw line through citati	on if not in confo	rmance and not	

		Page 13 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
CORNA PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL		ם	OCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB	\top								
	AC									
_	AD									
	AE		-							
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK							<u> </u>		
			F	OREIGN	PATENT DOCUMENTS	<u>s</u>			T	
EXAMINER INITIAL		1	OCUMENT NUMBER	DATE	COUNTRY	··-	CLASS	SUB-CLASS	TRANSLATION	
	AL			i				<u> </u>	Yes No	
	AM								Yes No	
-	AN								Yes No	
	AO								Yes No	
	AP								Yes No	
			OTHER (Incl	uding Aut	hor, Title, Date, Pertiner	nt Pages,	etc.)			
JК	AR	13	Boshart, M, et Gene of Human	al., "A Vo	ery Strong Enhancer is I alovirus," <i>Cell 41</i> :521-5	Located U	Jpstream (1985)	of an Imme	diate Early	
JK	AS	13	the Same Chron	Bouhassira, E.E., et al., "Transcriptional Behavior of LCR Enhancer Elements Integrated at the Same Chromosomal Locus by Recombinase-Mediated Cassette Exchange," Blood 90:3332-3344, The American Society of Hematology (November 1997)						
JК	AT	13	Boyd, A.C., "To blunt-ended DN Press (1993)	Boyd, A.C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res. 21</i> :817-821, Oxford University Press (1993)						
EXAMINER		<u> </u>	/Jame	s Kette	r/		DATE CO	NSIDERED	07/14/2006	

		Page 14 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

AA AB AC AD	DC	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
AB AC AD										
AC AD					į ,					
AD										
										
AE										
AF										
AG										
AH										
AI										
AJ										
AK										
r——		F	OREIGN I	PATENT DOCUMENTS		T	т			
	DX	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes			
AL							No			
AM							Yes No			
AN							Yes No			
AO							Yes No			
AP							Yes No			
		OTHER (Incl	uding Aut	hor, Title, Date, Pertinent	Pages, etc.)					
AR	14	Brent, R., and P can block upstre Ltd. (1984)	tashne, M. am activa	, "A bacterial repressor partition of a yeast gene," Na	protein or a yeas ture 312: 612-61	t transcription 5, Macmilla	onal terminator an Journals			
AS	14		Broach, J. R., et al., "Recombination within the Yeast Plasmid 2μ Circle is Site-Specific," Cell 29:227-234, Cell Press (1982)							
AT	14		Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of Escherichia coli is a ribosomal protein s3," Nucl. Acids Res. 17:3145-3161 (1989)							
L	<u> </u>	/James Ke	tter/		DATE CO	NSIDERED	07/14/2006			
	AF AG AH AI AJ AK AL AM AN AO AP	AF AG AH AI AJ AK AL AM AN AO AP AR AR 14	AF AG AH AI AJ AK F DOCUMENT NUMBER AL AM AN AO AP OTHER (Incl AR 14 Brent, R., and P. can block upstre Ltd. (1984) AS 14 Broach, J. R., et Cell 29:227-234 AT 14 Bruckner, R.C., ribosomal protes	AF AG AH AI AJ AK FOREIGN I DOCUMENT NUMBER DATE AL AM AN AO AP OTHER (Including Aut) AR 14 Can block upstream activate Ltd. (1984) AS 14 Broach, J. R., et al., "Reconce Cell 29:227-234, Cell Press	AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER AM AN AN AO AP OTHER (Including Author, Title, Date, Pertinent can block upstream activation of a yeast gene," Na Ltd. (1984) Broach, J. R., et al., "Recombination within the Yea Cell 29:227-234, Cell Press (1982) AT Bruckner, R.C., and Cox, M.M., "The Histone-like ribosomal protein s3," Nucl. Acids Res. 17:3145-3	AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS AL AM AN AN AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Brent, R., and Ptashne, M., "A bacterial repressor protein or a yeas can block upstream activation of a yeast gene," Nature 312: 612-61 Ltd. (1984) Broach, J. R., et al., "Recombination within the Yeast Plasmid 2µ Cell 29:227-234, Cell Press (1982) AT 4 Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of Es ribosomal protein s3," Nucl. Acids Res. 17:3145-3161 (1989)	AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS AL AM AN AN AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Brent, R., and Ptashne, M., "A bacterial repressor protein or a yeast transcriptic can block upstream activation of a yeast gene," Nature 312: 612-615, Macmilla Ltd. (1984) AS 14 Broach, J. R., et al., "Recombination within the Yeast Plasmid 2µ Circle is Site Cell 29:227-234, Cell Press (1982) AT 14 Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of Escherichia corribosomal protein s3," Nucl. Acids Res. 17:3145-3161 (1989)			

		Page 15 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA	- -									
	AB	+									
-	AC						ļ				
	AD	-									
	AE										
	AF							<u> </u>			
	AG	_									
	AH										
	Aī						ļ				
	AJ										
	AK						J	<u> </u>			
EXAMINER	-T		F	OREIGN	PATENT DOCUMEN	TS	T	T			
INITIAL	-	DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes			
	AL			<u> </u>				No Yes			
	AM							No Yes			
	AN	_		-		,		No Yes			
	AO			 			-	No Yes			
	AP			<u> </u>				No			
			OTHER (Inc	luding Aut	hor, Title, Date, Pertin	ent Pages, etc.)					
JK	AR	<u>15</u>	Brunelli, J.P., a Mediated Recor 1994)	nd Pall, M mbination,	.L., "Lambda/Plasmid " <i>BioTechniques 16</i> :1	l Vector Constructi 061-1064, Eaton P	on by <i>In Viv</i> ublishing Co	o cre/lox- ompany (June			
JK	AS	15	Designed for D	Brunelli, J.P. and Pall, M.L., "A Series of Yeast/Escherichia coli λ Expression Vectors Designed for Directional Cloning of cDNAs and cre/lox-Mediated Plasmid Excision," Yeast 9:1309-1318, John Wiley (1993)							
JK	АТ	15	Bubeck, P., et a 21:3601-3602,	Bubeck, P., et al., "Rapid cloning by homologous recombination in vivo," Nucl. Acids Res. 21:3601-3602, Oxford University Press (1993)							
EXAMINER		<u> </u>	/James Ke	tter/		DATE C	ONSIDERED	07/14/2006			

		Page 16 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA										
	AB										
	AC										
	AD				,						
	AE										
	AF										
	AG										
	АН			1							
	Al										
<u> </u>	AJ										
	AK										
EXAMINER		- 1	<u></u>	OREIGN I	PATENT DOCUMEN	TS	T				
INITIAL	ļ	D	OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes		
:	AL								No		
	AM								Yes No		
	AN								Yes No		
	AO								Yes No		
	AP								Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertin	ent Pages,	etc.)				
JК	AR	<u>16</u>	Buchholz, F., en recombination to Oxford University	argets in g	nple assay to determinenomic manipulation	ne the func constructs	ctionality ," <i>Nucl</i> . A	of Cre or F Acids Res. 2	LP 4:3118-3119,		
JK	AS	16	Buchholz, F., eafor applied site- Press (1996)	Buchholz, F., et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," Nucl. Acids Res. 24:4256-4262, Oxford University Press (1996)							
JK	AT	16	Bushman, W., o Science 230:90	Bushman, W., et al., "Control of Directionality in Lambda Site Specific Recombination," Science 230:906-911, American Association for the Advancement of Science (1985)							
EXAMINER	_L		/James	Ketter/			DATE CO	ONSIDERED	07/14/2006		

		Page 17 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	0942.5340005/BJD/JKM 10/792,035 APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	0942.5340005/BJD/JKM 10/792,035 APPLICANTS Chesnut <i>et al</i> . FILING DATE ART UNIT	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL			OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB					·					
	AC										
	AD					•					
	AE										
	AF										
	AG										
	АН										
	1A										
	AJ										
	AK										
			F	OREIGN I	PATENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinent	t Pages, etc.)					
JК	AR	17	Burioni, R., et a	ul., "An im combinato	proved phage display ver rial libraries," <i>Res. Virol</i>	ctor for antibod !. 148:161-164,	y repertoire o Elsevier (199	cloning by 97)			
JK	AS	17	Campbell, A. M 174:7495-7499	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," J. Bacteriol. 174:7495-7499, American Society For Microbiology (1992)							
JK	АТ	17	Specific Site in Measurement o	Capone, J.P., et al., "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the Escherichia coli Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," Mol. Cell. Biol. 6:3059-3067, American Society for Microbiology (1986)							
EXAMINER			/Ja	mes Kett	er/	DATEC	ONSIDERED	07/14/2006			

		Page 18 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS		·				
EXAMINER INITIAL		r	OCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA							_			
	AB					-					
	AC										
	AD										
	AE										
	AF		•								
	AG										
	AH					•					
	AI										
	AJ										
	AK				-			<u> </u>			
			F	OREIGN P.	ATENT DOCUMENTS	<u> </u>		T	1		
EXAMINER INITIAL	<u> </u>		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AL								Yes No		
	AM								Yes No		
	AN								Yes No		
	AO								Yes No		
	AP						<u> </u>		Yes No		
			OTHER (Inc	luding Auth	or, Title, Date, Pertiner	nt Pages,	etc.)				
JК	AR .	18	Combinatorial 1	Libraries: Po	man Monoclonal Antibotential Usefulness in Infect. Agents Dis. 2:118	Preventic	n and/or	Treatment of	rom of Major		
JK	AS	18	repertoire of str	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," Biochem. 34:2289-2301, American Chemical Society (1995)							
JK	AT	18	artificial chrom	Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by in vivo P1 packaging of products of Cre-catalyzed recombination between the endogenous and a transposed loxP site," Nucl. Acids Res. 25:2205-2212, Oxford University Press (1997)							
EXAMINER		_i	/James	Ketter/			DATE CO	NSIDERED	07/14/2006		

		Page 19 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS						
EXAMINER		\neg									
INITIAL	1	\dashv	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA	\dashv		 							
	AB	_									
	AC	_		<u> </u>		_					
	AD	_									
	AE										
	AF			ļ				ļ			
	AG	_									
	AH										
.,	AI										
	AJ										
	AK										
			I	OREIGN	PATENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinent Pages	, etc.)					
JК	AR	19	cassettes with the	Cherepanov, P.P., and Wackernagel, W., "Gene disruption in Escherichia coli: Tc ^R and Km ^R cassettes with the option of Flp-catalyzed excision of the antibiotic-resistance determinant," Gene 158:9-14, Elsevier Science (1995)							
JK	AS	15	cleavable affini	Chong, S., et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," Gene 192:271-281, Elsevier Science B.V. (1997)							
JK	AT	19	genome of man	Choulika, A., et al., "Transfer of single gene-containing long terminal repeats into the genome of mammalian cells by a retroviral vector carrying the cre gene and the loxP site." J Virol. 70:1792-1798, American Society For Microbiology (1996)							
EXAMINER				/James K	etter/	DATE CC	NSIDERED	07/14/2006			

		Page 20 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	c	LASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	ΑĒ									
	AF									
	AG									
	AH	<u> </u>					0			
	ΑI									
	AJ									
	AK									
			F	OREIGN P	ATENT DOCUMENTS					
EXAMINER INITIAL		ľ	OOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
.,	AN								Yes No	
	AO								Yes No	
	AP			<u> </u>					Yes No	
	_1		OTHER (Inc	luding Auth	or, Title, Date, Pertinent	t Pages, etc	·.)	l	140	
JK	AR	20	Chuang, C-F., e	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Chuang, C-F., et al., "Specific and heritable genetic interference by double-stranded RNA in Arabidopsis thaliana," Proc. Natl. Acad. Sci. USA 97:4985-4990, National Academy of Sciences of the USA (April 2000)						
JK	AS	20	Saccharomyces	Cigan, A.M., et al., "Mutational Analysis of the HIS4 Translational Initiator Region in Saccharomyces cerevisiae," Mol. Cell. Biol. 8:2964-2975, American Society for Microbiology (1988)						
JK	AT	20	CLONTECH, "CLONTECH (A	CLONTECH, "Creator™ Gene Cloning & Expression System," CLONTECHniques 15:7-11, CLONTECH (April 2000)						
EXAMINER			/James	Ketter,	/	D	ATE CC	NSIDERED	07/14/2006	

		Page 21 of 121
	ATTY, DOCKET NO.	APPLICATION NO.
FORM 970, 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE_	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA	_								
	AB									
	AC	_ _				4				
	AD									
	AE									
	AF									
	AG									
	AH									
	Αί									
	AJ									
	AK									
			F	OREIGN PA	TENT DOCUMENTS					
EXAMINER INITIAL		I	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL							No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
		<u>_</u>	OTHER (Inc	luding Autho	r, Title, Date, Pertinent Pages	etc.)				
JK	AR	21	CLONTECH, " CLONTECH (J	New Additionanuary 2001	ons to the Creator™ Platform	," CLON	TECHniques	16:3 pages,		
JK	AS	21	CLONTECH, "pages, CLONT	CLONTECH, "New Creator™ -Compatible Expression Systems," CLONTECHniques 15:2 pages, CLONTECH (October 2000)						
JK	AT	21		CLONTECH, "Creator TM Acceptor Vector Construction Kits" <i>CLONTECHniques 16</i> :2 pages, CLONTECH (October 2001)						
EXAMINER			<u> </u> /Jam	es Ketter	7	DATE C	ONSIDERED	07/14/2006		
						<u> </u>				

		Page 22 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE				·					
	AF									
	AG									
	AH									
	AI									
	AJ									
	AK									
			F	OREIGN	PATENT DOCUMEN	TS		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
EXAMINER INITIAL		E	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL							No Yes		
	AM							No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertic	nent Pages, etc.)				
JK	AR	22	CLONTECH, "pages, CLONT	CLONTECH, "Creator™ SMART™ Library Construction Kit," CLONTECHniques 16:2 pages, CLONTECH, (October 2001)						
JK	AS	22	Powerpoint Pre	CLONTECH, "Creator TM : The Universal Platform for Analysis of Gene Function," Powerpoint Presentation, pp. 1-9, CLONTECH, (July 24, 2001), available at http://www.clontech.com/products/families/creator/popups/s1page1.html						
JK	AT	22		CLONTECH, "Creator TM pDNR-Dual Cloning Kit," <i>CLONTECHniques 16</i> :3 pages, CLONTECH, (October 2001)						
EXAMINER			/James Kett	er/		DATE	ONSIDERED	07/14/2006		

		Page 23 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

			······································	U.S. PATE	ENT DOCUMENTS					
EXAMINER INITIAL		Г	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	AI									
	AJ									
	AK						<u> </u>			
EXAMINER	Т		F	OREIGN P.	ATENT DOCUMENTS		T	1		
INITIAL		4	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL	-						No Yes		
	AM							No Yes		
	AN							No Yes		
	AO	\perp						No Yes		
	AP		OTHER CO.	12	Title Date Bertinert Book			No		
	т	Τ	OTHER (Inc.	luding Auth	or, Title, Date, Pertinent Page	es, etc.)				
JK	AR	23	Cassettes of Inte	Collis, C.M., and Hall, R.M., "Expression of Antibiotic Resistance Genes in the Integrated Cassettes of Integrons," <i>Antimicrob Agents Chemother 39</i> :155-162, American Society For Microbiology (1995)						
JK	AS	23	Protocols in Me	Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in Current Protocols in Molecular Biology, Supplement 37, Ausubel, F.M., et al., eds., John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.10 (1997)						
JK	AT	23	Molecular Biole	Cormack, B., "Mutagenesis by the Polymerase Chain Reaction," in Current Protocols in Molecular Biology, Vol. 1, Supplement 15, Ausubel, F.M., et al., eds., John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1991)						
EXAMINER	_1		/James K	etter/		DATE CO	NSIDERED	07/14/2006		

		Page 24 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				II.S. PAT	TENT DOCUMENTS					
EXAMINER	T -		,							
NITIAL	AA		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AB	\dashv						-		
	AC					- -				
	AD									
	AE									
	AF									
	AG									
	AH				-					
	AI					<u> </u>				
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN		3					Yes No		
-	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinent Page	s, etc.)				
JK	AR	24	recombination s	Cox, M.M., "The FLP protein of the yeast 2-µm plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA 80</i> :4223-4227, National Academy of Sciences (1983)						
JK	AS	24	Craig, N.L., and Specific Breaka	Craig, N.L., and Nash, H.A., "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," Cell 35:795-803, Cell Press (1983)						
JК	AT	24	Curcio, M.J., an	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Ty1 element retrotransposition," Proc. Natl. Acad. Sci. USA 88:936-940, National Academy of Sciences (1991)						
EXAMINER	<u></u>		/James Kette	er/		DATE CO	NSIDERED	07/14/2006		

		Page 25 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	•
	FILING DATE	ART UNIT
	March 4, 2004	1636

		,		U.S. PA	TENT DOCUMENTS			
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
-	Al							
	AJ							
	AK							
			F	OREIGN	PATENT DOCUMENTS			
EXAMINER INITIAL			OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
-	AL							Yes No
	АМ							Yes No
	AN	┪						Yes No
	AO							Yes No
	AP							Yes No
-			OTHER (Inc	luding Aut	hor, Title, Date, Pertinent	t Pages, etc.)		
JK	AR	<u>25</u>	Dale, E.C., and cells mediated b	Ow, D.W by bacteric	., "Intra- and intermolecuphage P1 recombinase,"	ilar site-specific Gene 91:79-85,	recombinati Elsevier Sci	on in plant ience (1990)
JK	AS	25	Dale, E.C., and Ow, D.W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562, National Academy of Sciences (1991)					
JK	АТ	25	Stability of Rec	ombinatio	., "Mutations in the Cre/lon Products: Applications 06, abstract no. Y108, W	for Gene Targe	ting in Plant	ance the s," J. Cell.
EXAMINER		L	/James Kette	r/		DATE CO	ONSIDERED	07/14/2006

		Page 26 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FOR 14 PMO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

XAMINER				U.S. PAT	TENT DOCUMENTS				
NITIAL	AA	DC	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AB	-					-		
	AC	-							
	AD	+							
	AE								
- AMA	AF	-							
	AG								
	АН								
	AI						1		
	AJ					_			
	AK.								
			F	OREIGN	PATENT DOCUMENTS	3			1
EXAMINER INITIAL	-	D	OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes
	AL	_		ļ					No Yes
-	AM	_		<u> </u>				 	No Yes
	AN	_						<u> </u>	No Yes
	AO	_		<u> </u>				 	No Yes
	AP				Titl D 4 D 4	-4 Pa-sas -4	- \		No
JK	AR	<u>26</u>	Dang, D.T., and	l Perrimon	hor, Title, Date, Pertinent, N., "Use of a Yeast Site osophila," Dev. Genet.	te-Specific	Recor	mbinase to G ey-Liss (1992	enerate 2)
JК	AS	Datson, N.A., et al., "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," Nucl. Acids Res. 27:1300-1307, Oxford University Press (March 1999)							
JК	Davies, J., and Reichmann, L., "An Antibody VH Domain with a lox-Cre Site Integrated Into its Coding Region: Bacterial Recombination within a Single Polypeptide Chain," FEBS Letts 377:92-96, Elsevier Science (1995)								
EXAMINER			/James Ket	ter/		D	ATE CO	ONSIDERED	07/14/2006
I									

		Page 27 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
50DM 970 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		ם	OCUMENT NUMBER	DATE	NAME	CLAS	S SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG							<u> </u>	
	АН								
	ΑĪ								
	AJ								
	AK								
				OREIGN I	PATENT DOCUMEN	TS			
EXAMINER INITIAL		1	OCUMENT NUMBER	DATE	COUNTRY	CLA	S SUB-CLASS	TRANSLATION Yes	
	AL							No Yes	
	AM							No Yes	
	AN							No	
	AO							Yes No	
	AP							Yes No	
	 	_,	OTHER (Inc	luding Aut	hor, Title, Date, Pertin	ient Pages, etc.)			
JK ·	AR	27	Dominant Letha	al cdc42 ⁰¹²	sis of the Mechanism Yand Dominant Nega an Society for Bioche	ative cdc42	Mutations," J.	Biol. Chem.	
JK	AS	27	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene 170</i> :45-50, Elsevier Science (1996)						
JK	AT	27	Deng, M-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," Appl. Environ. Microbiol. 65:523-528, American Society for Microbiology (February 1999)						
EXAMINER		Ш.	/James	Ketter/		DATE	CONSIDERED	07/14/2006	

		Page 28 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS		·-·			
EXAMINER INITIAL		DO	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMENTS	<u>s</u>		1		
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL	_						No Yes		
	AM	_						No Yes		
	AN							No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Autl	hor, Title, Date, Pertine	nt Pages, etc.)				
JK	AR	28	Derbyshire, V., Natl. Acad. Sci.	and Belfor USA 95:13	rt, M., "Lightning strike 356-1357, National Aca	es twice: Intron-in ademy of Science	ntein coincides of the USA	ence," <i>Proc</i> . A (1998)		
JK .	AS	28	targets in vitro:	Devine, S.E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets in vitro: a useful tool for DNA mapping, sequencing and genetic analysis," Nucl. Acids Res. 22:3765-3772, Oxford University Press (September 1994)						
JK	AT	28	Diederich, L., e the Escherichia	Diederich, L., et al., "New Cloning Vectors for Integration into the λ Attachment Site attB of the Escherichia coli Chromosome," Plasmid 28:14-24, Academic Press (1992)						
EXAMINER	_l_	1	/James H	(etter/		DATE CO	DNSIDERED	07/14/2006		

		Page 29 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS			
EXAMINER INITIAL		_ !	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD		· · · ·					
	AE							
	AF							
	AG ·							
	АН							
	AI							
	AJ							
	AK							
			F	OREIGN	PATENT DOCUMENTS		.,	
EXAMINER INITIAL	- 	_	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL							No Yes
	AM							No Yes
	AN	\perp		ļ				No Yes
	AO							No Yes
	AP			<u> </u>				No No
		_	OTHER (Incl	uding Aut	hor, Title, Date, Pertinent	Pages, etc.)		
JK	AR	29	Dijkema, R., et of the Rat." EM	al., "Cloni BO J. 4:76	ing and Expression of the 61-767, IRL Press Limited	Chromosomal d (1985)	Immune Inte	erferon Gene
JK	AS	29	Dymecki, S.M., "A modular set of <i>Flp, FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene 171</i> :197-201, Elsevier North-Holland (June 1996)					
JK	АТ	Elledge, S.J., et al., "λYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and Escherichia coli mutations," Proc. Natl. Acad. Sci. USA 88:1731-1735, National Academy of Sciences (1991)						
EXAMINER		۰	/Ja	mes Ket	ter/	DATE CO	ONSIDERED	07/14/2006

		Page 30 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME		CLASS_	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
_	AD								
	AE					,,			
	AF								
	AG								
	AH	+							
	AI								
	AJ	1							
	AK						_ 		
			F	OREIGN P.	ATENT DOCUMENT	TS	-		· · · · · · · · · · · · · · · · · · ·
EXAMINER INITIAL		DO	OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes No
	AO								Yes No
	AP								Yes No
			OTHER (Inc	luding Auth	or, Title, Date, Pertin	ent Pages, e	tc.)		
JK	AR	<u>30</u>	Enquist, L.W., a Identification of 153, Academic	f Excision I	rg, R.A., "The Red P Defective Variants of (1976)	Plaque Test: Bacterioph	A Rapi age Lar	d Method fo	or logy 72:147-
JK	AS	30	Esposito, D., et al., "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," Nucl. Acids Res. 25:3605-3614, Oxford University Press (1997)						
JK	AT	30	Feil, R., et al., Ligand-Binding (1997)	'Regulation 3 Domains,'	of Cre Recombinase Biochem. Biophys. I	e Activity by Res. Comm.	y Mutat . 237:75	ed Estrogen 52-757, Acad	Receptor demic Press
EXAMINER			/James	Ketter/		1	DATE CO	ONSIDERED	07/14/2006

		Page 31 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
707147704440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

VAMINED				U.S. PAT	ENT DOCUMENTS			1	
EXAMINER NITIAL		DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
-	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
			F	OREIGN I	PATENT DOCUMENTS				
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO	
	AL							N	
	AM					·		Ye	
	AN							Ye N	
	AO							Ye N	
	AP							Ye N	
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinen	t Pages, etc.)			
JК	AR	31	Feinbaum, R., "Ausubel, F.M.,	Feinbaum, R., "Vectors Derived from Plasmids," in Current Protocols in Molecular Biology Ausubel, F.M., et al., eds., John Wiley & Sons, Inc., Boston, MA, pp. 1:1.5.1-1.5.17 (1998)					
JК	AS	31	vectors designe	Ferguson, J., et al., "Construction and characterization of three yeast-Escherichia coli shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," Gene 16:191-197, Elsevier Science (1981)					
JK	AT	31	functional disse	ection of co	-out' strategy using genomplex DNA regulatory	elements: Analy	sis of the β-	globin locus	
EXAMINER	L		/ Tome	s Kette		DATEC	ONSIDERED	07/14/200	

		Page 32 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA		· · · · · · · · · · · · · · · · · · ·								
	AB			<u> </u>							
	AC										
	AD										
	AE										
	AF										
	AG										
	АН										
	AI										
	AJ										
	AK	İ									
				FOREIGN P	ATENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM	1						Yes No			
	AN							Yes No			
	AO							Yes No			
	AP	_		-				Yes			
			OTHER (Inc	luding Auth	or, Title, Date, Pertinent Pages,	etc.)		No			
JK	AR	32	Filutowicz, M.	, <i>et al</i> ., "Pur	ification of the <i>Escherichia coo</i> ' <i>Gene 147</i> :149-150, Elsevier \$	li integrat					
JК	AS	32	Recombination	Flanagan, P.M., and Fennwald, M.A., "Analysis of Inhibitors of the Site-specific Recombination Reaction Mediated by TN3 Resolvase," J. Mol. Biol. 206:295-304, Academic Press Limited (1989)							
JK	AT	32		Flores, A., et al., "A protein-protein interaction map of yeast RNA polymerase III," Proc. Natl. Acad. Sci. USA 96:7815-7820, National Academy of Sciences (July 1999)							
EXAMINER		1_	/James	Ketter/		DATE CO	NSIDERED	07/14/2006			

		Page 33 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
*** - ****	AD										
	AE										
	AF										
	AG										
a	AH										
	AI										
	AJ	1					1				
	AK		-								
			F	OREIGN PA	TENT DOCUMENTS	. I					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
		l	OTHER (Inc	luding Autho	r, Title, Date, Pertinent Pages	, etc.)					
JК	AR	33	Tn21 Integrase	Francia, M.V., et al., "Gene Integration in the Escherichia coli Chromosome Mediated by Tn21 Integrase (Int21)," J. Bacteriol. 178:894-898, American Society For Microbiology (February 1996)							
JK	AS	33	Francia, M.V., attC Site," J. Bo	Francia, M.V., et al., "The Intl1 Integron Preferentially Binds Single-Stranded DNA of the attC Site," J. Bacteriol. 181:6844-6849, American Society for Microbiology (1999)							
JK	AT	3.3	vector allows h	Fukushige, S., and Sauer, B., "Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA 89</i> :7905-7909, National Academy of Sciences (1992)							
EXAMINER		1	/James	Ketter/		DATE CO	NSIDERED	07/14/2006			

		Page 34 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PA	TENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
_	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН						-			
	Al									
	AJ									
	AK									
			F	OREIGN	PATENT DOCUMENT	S				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM					_		Yes No		
	AN							Yes No		
	AO							Yes No		
-	AP							Yes No		
			OTHER (Incl	uding Aut	hor, Title, Date, Pertine	nt Pages, etc.)				
JK	AR	34	Multigenic Shut	Gage, P.J., et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," J. Virol. 66:5509-5515, American Society for Microbiology (1992)						
JK	AS	34	Gateway™ Clor Manual, pp. 1-6	Gateway TM Cloning Technology, Version 1, GIBCO BRL, Life Technologies Instruction Manual, pp. 1-60 (November 1999), available at: http://www.lifetech.com/gateway						
JK	AT	34		Gay, P., et al., "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," J. Bacteriol. 164:918-921, American Society for Microbiology (1985)						
EXAMINER		Ь.	/James K	etter/		DATE CO	NSIDERED	07/14/2006		

		Page 35 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		r	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG	Ī								
	AH									
	Al									
	AJ									
	AK					1				
			F	OREIGN P	ATENT DOCUMENTS	S				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN				v.			Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	luding Auth	or, Title, Date, Pertine	nt Pages, etc.)				
JК	AR	35	Bacillus Subtilis	: Expression	ructural Gene sacB, whom of the Gene in Escherobiology (1983)	hich Codes for Ex erichia coli," J. B	koenzyme Le Lacteriol. 153	evansucrase of 3:1424-1431,		
JK	AS	35	Geoffroy, F., et very large antib	Geoffroy, F., et al., "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," Gene 151:109-113, Elsevier Science (December 1994)						
JK	АТ	35	Glasgow, A.C., 264:10072-1008	Glasgow, A.C., et al., "DNA-binding Properties of the Hin Recombinase," J. Biol. Chem. 264:10072-10082, American Society for Biochemistry and Molecular Biology (1989)						
EXAMINER	L		/Ja	mes Kett	er/	DATEC	ONSIDERED	07/14/2006		

		Page 36 of 121	
	ATTY. DOCKET NO.	APPLICATION NO.	Т
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035	
FORM F 10-1449	APPLICANTS		
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.		
	FILING DATE	ART UNIT	Т
	March 4, 2004	1636	

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	AI									
	AJ									
	AK	\dashv								
			F	OREIGN	PATENT DOCUMENTS		·			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
HITTAL	AL		DOCOMENT NOMBER	<i></i>	000			Yes No		
	AM	\dashv		<u> </u>				Yes No		
	AN	$\neg \dagger$					1	Yes No		
	AO	\dashv						Yes No		
	AP	_						Yes No		
		L	OTHER (Inc	luding Aut	hor, Title, Date, Pertinent	Pages, etc.)	J	1 140		
JK	AR	36	Golic, K.G., and	d Lindquis	t, S., "The FLP Recombin sophila Genome," Cell 59	ase of Yeast C	atalyzes Site Press (1989	-Specific)		
JK	AS	36	when Introduce	Gorman, C. M., et al. "The Rous Sarcoma Virus Long Terminal Repeat is a Strong Promoter when Introduced into a Variety of Eukaryotic Cells by DNA-mediated Transfection," Proc. Natl. Acad. Sci. USA 79:6777-6781, National Academy of Sciences (1982)						
JК	AT	36	Götz, F., et al., initiation," Bioc	Götz, F., et al., "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," Biochim. Biophys. Acta 1050:93-97, Elsevier Publishing Co. (1990)						
EXAMINER		1	/James H	Cetter/		DATE CO	NSIDERED	07/14/2006		

		Page 37 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENT	'S			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
			F	OREIGN P	ATENT DOCUME	ENTS	- 	1	
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN					•		-	Yes No
	AO								Yes No
	AP								Yes No
			OTHER (Inc	luding Auth	or, Title, Date, Per	tinent Pages,	etc.)		, <u> </u>
JK	AR	37	Green, R., and I		., "Ribosomes and 7)	Translation,'	' Ann. Re	v. Biochem.	<i>66</i> :679-716,
JK	AS	37	Grindley, N.D.I Gene on the Re Springer Verlag	plication of	ey, W.S., "Effects Non-transferring	of Different Plasmids," M	Alleles o	f the <i>E. coli</i> n. Genet. 14.	K12 polA 3:311-318,
JK	AT	37	Inter- and Intra	ronostajski, R.M., and Sadowski, P.D., "The FLP Protein of the 2-micron Plasmid of Yeast. Iter- and Intramolecular Reactions," <i>J. Biol. Chem. 260</i> :12328-12335, The American ociety of Biological Chemists, Inc. (1985)					
EXAMINER		1	/James	Ketter/			DATE CO	NSIDERED	07/14/2006

		Page 38 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM 8TO 1440	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		00	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA			·					
	AB								
	AC								
······································	AD			_					
	AE								
	AF								
	AG								
	AH						Ī .		
	Al								
	AJ	_							
	AK	_							
		!	F	OREIGN P	PATENT DOCUMENTS	S	_1		
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL							No	
-	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
			OTHER (Inc	uding Auth	nor, Title, Date, Pertiner	nt Pages, etc.)			
JK '	AR	38	Gu, H., et al., "I specific gene ta of Science (199	rgeting," S	a DNA polymerase be cience 265:103-106, Au	ta gene segment merican Associa	in T cells us tion for the A	ing cell type- dvancement	
JК	AS	38	Guo, F., et al., synapse," Proc.	Guo, F., et al., "Asymmetric DNA bending in the Cre-loxP site-specific recombination synapse," Proc. Natl. Acad. Sci. USA 96:7143-7148, National Academy of Sciences (1999)					
JК	AT	38	Haffter, P., and Relaxed Topolo	Bickle, T	A., "Enhancer-independificty," <i>EMBO J. 7</i> :399	dent mutants of t	he Cin Reco	mbinase have a 1988)	
EXAMINER			/James Ke	tter/		DATEC	ONSIDERED	07/14/2006	
							in if not in somf	amenas and not	

		Page 39 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВJD/JKM	10/792,035
FORWIF10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

					U.S. PAT	ENT DOCUMENTS	S			
EXAMINER INITIAL	_		DOCUMENT N	UMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA	İ								
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI			_						
	AJ					·				
	AK									
EVANDIED		_		F	OREIGN P	ATENT DOCUME	NTS			
EXAMINER INITIAL			DOCUMENT N	UMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL									Yes No
	AM									Yes No
	AN									Yes No
	AO									Yes No
	AP							 		Yes No
		1	ОТН	ER (Incl	uding Auth	or, Title, Date, Perti	inent Pages,	etc.)		
JK	AR	39		y Site-s	pecific Rec	1., "Mobile Gene Combination," <i>Molec</i>				
JК	AS	39	Hancoci Proc. N	Iancock, R.E.W., and Scott, M.G., "The role of antimicrobial peptides in animal defenses," Proc. Natl. Acad. Sci. USA 97:8856-8861, National Academy of Sciences (August 2000)						al defenses," rust 2000)
JK	АТ	39				ction of Adenovirus rican Society for M			-lox Recomi	bination," <i>J</i> .
EXAMINER		1		/James	Ketter/	,		DATE CO	NSIDERED	07/14/2006
									10 11 6	

		Page 40 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA			-					
	AB								
	AC								
	AD								
	AE								
	AF								
	AG		. , ,						
	AH	1	*						
	AI								
	AJ	<u> </u>							
· · · · · · · · · · · · · · · · · · ·	AK								
		J	F	OREIGN I	PATENT DOCUMENT	S			
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	nt Pages, etc.)		•	
JK	AR	40	Hartley, J.L., et Res. 10:1788-1	<i>al.,</i> "DNA 195, Cold S	Cloning Using In Vitrospring Harbor Laborato	o Site-Specific Re ory Press (Novem	ecombination per 2000)	n," <i>Genome</i>	
JК	AS	40	Hasan, N., et al., "Escherichia coli genome targeting, I. Cre-lox-mediated in vitro generation of ori plasmids and their in vivo chromosomal integration and retrieval," Gene 150:51-56, Elsevier Science (December 1994)						
JK	АТ	40	Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the p_{tac} promoter," Gene 56:145-151, Elsevier Science (1987)						
EXAMINER	_ _		/James Kette	r/		DATE CO	NSIDERED	07/14/2006	
EXAMINER: In	nitial if ref	erence c	onsidered, whether or no	t citation is in	conformance with MPEP 609.	Draw line through citation	on if not in confo	rmance and not	

		Page 41 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·			
EXAMINER INITIAL	<u> </u>		OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE	\top							
	AF								
	AG								
	АН								
	AI	_				1			
	AJ	_							
	AK	\top							
			F	OREIGN PA	TENT DOCUMENTS				
EXAMINER INITIAL		ı	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP	\top						Yes No	
			OTHER (Inc	uding Autho	or, Title, Date, Pertinent P	Pages, etc.)			
JK	AR	41	selection: cDNA	A cloning wi	"Improved vector, pHSe th G:C-tailing procedure 28, Elsevier Science (198	and subcloning	ct streptomy	cin-resistance digested DNA	
JК	AS	41	majus, reveals h	Hehl, R., et al., "Structural analysis of Tam3, a transposable element from Antirrhinum majus, reveals homologies to the Ac element from maize," Plant Mol. Biol. 16:369-371, Kluwer Academic Press (1991)					
JK	AT	41	Henikoff, S., "U DNA sequencin	Jnidirectiona	al digestion with exonucle:351-359, Elsevier Scien	lease III create nce Publishers	s targeted br (1984)	eakpoints for	
EXAMINER		<u></u>	/James	Ketter/		DATE CO	ONSIDERED	07/14/2006	

		Page 42 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F10-1449	APPLICANTS	
Information Disclosure Statement	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				TIC DAT	FENT DOCUMENTS			
EXAMINER	7			U.S. PA	TENT DOCUMENTS		1	T
INITIAL	AA	DX	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AB	+						
	AC						 	
	AD	+		<u> </u>				
							 	
	AE			 			<u> </u>	
	AF	+						
	AG	-					 	·
	AH	-					<u> </u>	
	Al	\perp						<u> </u>
	AJ							
	AK			CONTROL		mo.		
EXAMINER	1	_1-			PATENT DOCUMEN		T	
INITIAL	AL	DX	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AM	-			-			Ye:
	AN						 	Yes
				_				No Ye:
	AO	- -						No Yes
	AP	[_	OTHER (Incl	uding Aut	hor, Title, Date, Pertin	ont Pages etc.)	<u> </u>	No
JK	AR	42	Heyman, J.A., e	t al., "Gen	ome-Scale Cloning arrase I-Mediated Ligat	nd Expression of In		
JK	AS	42	Hochuli, E., et al. "Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent." BioTechnology 6: 1321-1325, Nature Pub. Co. (1988)					
JК	AT	42			outtle Mutagenesis: Ba Meth. Enzymol, 194:3			
EXAMINER			/James K	etter/		DATE CO	NSIDERED	07/14/2006
					conformance with MPEP 600			

		Page 43 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
,	AJ	ĺ								
	AK									
			F	OREIGN	PATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Aut	hor, Title, Date, Pertinent	Pages, etc.)				
JK	AR	43	Hoess, R.H., et a	Hoess, R.H., et al., "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-pecific Recombination System," J. Mol. Biol. 181:351-362, Academic Press (1985)						
JK	AS	43		loess, R., et al., "Formation of small circular DNA molecules via an in vitro site-specific ecombination system," Gene 40:325-329, Elsevier Science (1985)						
JK	AT	43	Hoess, R.H., et sites," Proc. Na	al., "P1 sit tl. Acad. S	te-specific recombination: ci. USA 79:3398-3402, Na	Nucleotide se ational Academ	quence of th	e recombining es (1982)		
EXAMINER		1	/James	Ketter	/	DATE CO	NSIDERED	07/14/2006		

		Page 44 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

EXAMINER		$\overline{}$		U.S. PATE	ENT DOCUMENTS		т		
INITIAL	 	_ DX	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA	\bot		<u> </u>					
	AB								
	AC								
	AD								
	AE	\Box							
	AF								
	AG	\top							
	AH	1							
	AI ·	\top			1				
	AJ	\top							
,	AK			 		1			
	J		F	OREIGN PA	ATENT DOCUMENTS				
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN	+						Yes No	
	AO	\top						Yes No	
	AP					+		Yes	
			OTHER (Incl.	uding Autho	r. Title. Date. Pertinent Pages.	etc.)		No	
JK	AR	44	Hoess, R.H., et a	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) loess, R.H., et al., "The role of the loxP spacer region in P1 site-specific recombination," lucl. Acids Res. 14:2287-2300, Oxford University Press (1986)					
JК	AS	44	Molecular Biolo	oess, R. H., and Abremski, K., "The Cre-lox Recombination System," in Nucleic Acids and Tolecular Biology, Vol. 4, ed. by Eckstein, F., and Lilley, D.M.J., Springer-Verlag, Berlin, p. 99-109 (1990)					
JK	AT	44	Hoess, R.H., and the Recombining Sciences (1984)	g Site loxP,"	K., "Interaction of the Bacter" Proc. Natl. Acad. Sci. USA 8	riophage F	°1 Recombin 029, Nations	nase Cre with	
EXAMINER	A		/J:	ames Kette	er/	DATE CO	NSIDERED	07/14/2006	

		Page 45 of 121
•	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

	,_			U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG					,				
	AH									
	AI									
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMENT	rs	·			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM			·				Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Autl	nor, Title, Date, Pertino	ent Pages, etc.)				
JK	AR	45	Holt, C.L., and I subcloning capa	May, G.S., bilities," ("A novel phage λ rep Gene 133:95-97, Elsev	placement Cre-lox rier Science (1993)	vector that ha	as automatic		
JK	AS	45	methodologies 1	Hoogenboom, H.R., et al., "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," Nucl. Acids Res. 9:4133-4137, Oxford University Press (1991)						
JK	AT	45	P1, Mapping of	the recom	cific, conservative recombinase gene cin and the 5-1453, Oxford Unive	e crossover sites o	ix for the inv	acteriophage version of the c		
EXAMINER		_L	7	James Ke	etter/	DATE C	ONSIDERED	07/14/2006		

		Page 46 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD		-							
	AE									
	AF									
	AG									
· · · · · · · · · · · · · · · · · · ·	AH									
-	AI	1								
	AJ									
	AK									
			F	OREIGN P	ATENT DOCUMENTS					
EXAMINER INITIAL		I	OOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN	Ì						Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	uding Auth	or, Title, Date, Pertinent	Pages, etc.)				
JК	AR	46	Inversion of a S Cold Spring Ha	Iino, T., and Kutsukake, K., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of Salmonella Cold Spring Harbor Symposia on Quantitative Biology 45:11-16, Cold Spring Harbor Laboratory Press (1981)						
JК	AS	46	Institut Pasteur http://www.past	Institut Pasteur Website, Introduction: http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html (accessed 6/19/2003)						
JК	AT	46	Institut Pasteur http://www.past	Website, Fi	gure 1: erche/unites/pmtg/integ/f	fig1.html (acces	ssed 6/19/20	03)		
EXAMINER	l		/James	Ketter/		DATE CO	ONSIDERED	07/14/2006		

		Page 47 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS				
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB				_				
	AC								
	AD								
	AE								
	AF								
	AG								
	АН								
	AI								
	AJ								
,	AK								
	1		F	OREIGN PA	ATENT DOCUMENTS	<u> </u>			
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
L	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
	_ <u> </u>		OTHER (Incl	uding Autho	or, Title, Date, Pertinen	t Pages, etc.)			
JК	AR	<u>47</u>	Institut Pasteur Website, Figure 2: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html (accessed 6/19/2003)						
JK	AS	<u>47</u>	Institut Pasteur Website, Figure 3: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html (accessed 6/19/2003)						
JK	АТ	47	Institut Pasteur http://www.past		ain Page: rche/unites/pmtg (acce	essed 6/19/2003)			
EXAMINER		L	/James	Ketter/		DATE CO	NSIDERED	07/14/2006	

		Page 48 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЛД/ЛКМ	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

EXAMINER INITIAL	AA AB	DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AB								
	AC								
	AD								
	AE								
	AF								
	AG	 					-		
	AH				-				
	AI								
	AJ	\top		_	-				
	AK	1							
			F	OREIGN P.	ATENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL			_				No Yes	
	AM						<u> </u>	No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
		r			or, Title, Date, Pertinent				
JK	AR	<u>48</u>	available at:	ve.org/web/	"The Echo™ Cloning S (20010112191100/www ()				
JК	AS	48	Jaffé, A., et al., "Effects of the ccd Function of the F Plasmid on Bacterial Growth," J. Bacteriol. 163:841-849, American Society For Microbiology (1985)						
JK	AT	48	Jayaram, M., "T	Γhe <i>Int</i> Fam anism," <i>J</i> . C	ily of Site-specific Reco	ombinases: Som Academy of Sci	e thoughts o	n a General	
EXAMINER	l	L	/James Ke	tter/	All and a second	DATE CO	ONSIDERED	07/14/2006	
EXAMINER: Initi	ial if refe	rence co		t citation is in co	onformance with MPEP 609. D	raw line through citation	on if not in confo	rmance and not	

		Page 49 of 121
-,	ATTY. DOCKET NO.	APPLICATION NO.
CORN. PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLAS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMEN	TS	1			
EXAMINER INITIAL		I	OCUMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATION Yes		
	AL							No Yes		
	AM							No Yes		
	AN	_						No Yes		
	AO							No Yes		
	AP							No No		
			OTHER (Inc	luding Autl	hor, Title, Date, Pertir	nent Pages, etc.)				
JК	AR	49	ribosomal prote	ins L21 an	ng and nucleotide seq d L27 of <i>Escherichia</i> ublishers GmbH (199	i coli," J. DNA Se	nes, rplU and quencing and	rpmA, for Mapping 4:59-		
JK	AS	49	Johnson, R.C., obinding protein, (1988)	Johnson, R.C., et al., "Isolation of the gene encoding the Hin recombinational enhancer binding protein," Proc. Natl. Acad. Sci. USA 85:3484-3488, National Academy of Sciences (1988)						
JK	АТ	49	Kanaar, R., et a Implications for Cell Press (1989)	the Mech	ediated Recombination anism of Interaction	on of Catenated a Between Cis-Act	nd Knotted Ding Sites," Cel	NA Substrates: 11 58:147-159,		
EXAMINER	_ L		/James	Ketter	/	DATE	CONSIDERED	07/14/2006		

		Page 50 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM FIO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ	1								
	AK									
		1	F	OREIGN	PATENT DOCUMENT	rs		· · · · · · · · · · · · · · · · · · ·		
EXAMINER INITIAL		ı	OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN								Yes No	
	AO								Yes No	
	AP								Yes No	
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	ent Pages, et	c.)			
JК	AR	50	negative bacteri	Kaniga, K., et al., "A wide-host-range suicide vector for improving reverse genetics in Gramnegative bacteria: inactivation of the blsa gene of Yersinia enterocolitica," Gene 109:137-141, Elsevier Science (1991)						
JK	AS	50	plasmid pSE21	Katz, L., et al., "Site-specific recombination in Esherichia coli between the att sites of plasmid pSE211 from Saccharopolyspora erhthraea," Mol. Gen. Genet. 227: 155-159, Springer-Verlag (1991)						
JK	AT	50	Prokaryotic and	Kealey, J.T., et al., "Production of Polyketide Natural Product in Nonpolyketide-producing Prokaryotic and Eukaryotic Hosts," Proc. Natl. Acad. Sci. USA 95:505-509, National Academy of Sciences (January 1998)						
EXAMINER			/James	Ketter/		D	ATE CO	NSIDERED	07/14/2006	

		Page 51 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. FA1	TENT DOCUMENTS			,	
EXAMINER INITIAL	<u> </u>	00	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI	\exists	- 						
	AJ								
	AK	_							
			F	OREIGN	PATENT DOCUMENTS		<u> </u>		
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
<u> </u>	AM							Yes No	
	AN							Ye:	
	AO							Yes No	
	AP		***					Ye:	
			OTHER (Incl	uding Aut	hor, Title, Date, Pertinent	t Pages, etc.)			
JK	AR	<u>51</u>	Kholodenko, B. Metabolite Con- Son (1998)	N., et al., centrations	"Metabolic Design: How s and Fluxes," <i>Biotechno</i>	to Engineer a L l. Bioengineer. 5	iving Cell to	Desired John Wiley &	
, JK	AS	<u>51</u>	Kilby, N.J., et al., "Site-specific recombinases: tools for genome engineering," Trends Genet. 9:413-421, Elsevier Trends Journals (1993)						
JК	AT	<u>51</u>	Kim, S., and La Two Distant Ch for the Advance	romosoma	Lambda Int Protein Brid al Loci attL and attR," Socience (1992)	ges Between Hig cience 256:198-2	gher Order C 203, America	complexes at an Association	
	1	<u></u>	l				NSIDERED	07/14/2006	

		Page 52 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

EVANABLED				U.S. PAT	TENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC			-					
	AD								
	AE								
· · · · · · · · · · · · · · · · · · ·	AF								
	AG								
	AH								
	Al								
	AJ								
	AK.								
EVANDICE			F	OREIGN	PATENT DOCUMENTS	3	1	т	
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO	1 -						Yes	
	AP	+-		1				Yes	
	Į.		OTHER (Incl	uding Aut	hor, Title, Date, Pertinen	it Pages, etc.)	L	I NO	
JK	AR	<u>52</u>	Kim, D.W., "Us Expression Syst	se of the H em," Gene	uman Elongation Factor 291:217-223, Elsevier S	r 1a Promoter as a Science (1990)	a Versatile a	nd Efficient	
JK	AS	<u>52</u>	Kitts, P.A., and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," J. Mol. Biol. 204:95-107, Academic Press, Inc. (1988)						
JK	AT	<u>52</u>			on and characterization L. Press Inc. (1988)	of unusual <i>gin</i> m	utants," <i>The</i>	ЕМВО	
EXAMINER				Ketter/		DATECO	NSIDERED	07/14/2006	

		Page 53 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATI	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB		-							
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	Αľ			-						
	AJ									
-	AK									
			F	OREIGN P.	ATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	- <u>-</u>	CLASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN								Yes No	
	AO								Yes No	
	AP								Yes No	
			OTHER (Incl	uding Autho	or, Title, Date, Pertinent	Pages,	etc.)			
JК	AR	53	characterization	Koch, C., et al., "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the fis gene," Proc. Natl. Acad. Sci. USA 85:4237-4241, National Academy of Sciences (1988)						
JK	AS	53		Kolb, A.F., and Siddell, S.G., "Genomic Targeting with an MBP-Cre Fusion Protein," Gene 183:53-60, Elsevier Science (December 1996)						
JK	АТ	53	Kouprina, N., et Recombination Press (1998)	Kouprina, N., et al., "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," Genome Res. 8:666-672, Cold Spring Harbor Research Laboratory Press (1998)						
EXAMINER			/James	Ketter/			DATE CO	NSIDERED	07/14/2006	

		Page 54 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK									
EXAMINER	·		F	OREIGN P	ATENT DOCUMENTS		T	T		
INITIAL	-	_	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL	_						No Yes		
<u></u>	AM					_	<u> </u>	No Yes		
	AN							No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Auth	or, Title, Date, Pertinent Pages,	etc.)				
JK	AR	54	Kozak, M., "Co organelles," <i>Mi</i>	mparison o crobiol. Rev	f initiation of protein synthesis v. 47:1-45, American Society F	in procar or Microl	yotes, eucar biology (198	yotes, and		
JK	AS	54	Kozak, M., "Ar Nucl. Acids Res	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," Nucl. Acids Res. 15:8125-8132, Oxford University Press (1987)						
JК	АТ	54	translation," J.	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," J. Biol. Chem. 266:19867-19870, American Society for Biochemistry and Molecular Biology (1991)						
EXAMINER	L		/James	Ketter/		DATE CO	NSIDERED	07/14/2006		

		Page 55 of 12	21
	ATTY. DOCKET NO.	APPLICATION NO.	
FORM PTO 1440	0942.5340005/ВЈД/ЈКМ	10/792,035	
FORM PTO-1449	APPLICANTS		
Information Disclosure Statement	Chesnut et al.		
	FILING DATE	ART UNIT	
	March 4, 2004	1636	

				U.S. PAT	ENT DOCUMENTS	-			
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
-	AE								
	AF								
	AG								
	AH	1							
	Al								
	AJ								
	AK								
			F	OREIGN	PATENT DOCUMENT	`S		· · · · · · · · · · · · · · · · · · ·	
EXAMINER INITIAL			OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								No Yes
	AM								No Yes
	AN								No
	AO								Yes No
	AP							<u> </u>	Yes No
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	ent Pages, e	tc.)		
JK	AR	55	Krafte, D.S., et Na ⁺ Channel Go Ltd. (1995)	<i>al.</i> , "Stablene in Mar	e Expression and Func nmalian Cells," <i>J. Mol</i> .	tional Cha . Cell. Car	racteriza diol. 27	ation of a Hu :823-830, A	uman Cardiac cademic Press
ЈК	AS	55	Krautwald, S., a activity in its m Science (1993)	Krautwald, S., and Baccarini, M., "Bacterially expressed murine CSF-1 possesses agonistic activity in its monomeric form." <i>Biochem. Biophys. Res. Commun. 192:</i> 720-727, Elsevier Science (1993)					
JK	AT	55	insertions of the	e <i>dif</i> resolv	of a transposon (Tndif) vase site of Eschericia of ratory Press (May 1, 19	coli," Gene	suppresses & De	sing and non velopment l	suppressing 0:1162-1171,
EXAMINER	I		/James F	Cetter/			DATE CO	ONSIDERED	07/14/2006

		Page 56 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								
	AB							_	
	AC								
	AD								
	AE								
	AF								
	AG					1.			
	АН								
	ΑI								
	AJ								
	AK		-						
			F	OREIGN P	PATENT DOCUMENTS	S			
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes No
	AO								Yes No
	AP								Yes No
		'_	OTHER (Inc	luding Auth	or, Title, Date, Pertiner	nt Pages, e	tc.)		
JK	AR	<u>56</u>	Kühn, R., et al., Association for	, "Inducible the Advane	e Gene Targeting in Mi cement of Science (Sep	ice," <i>Scien</i> otember 19	<i>ce 269</i> : 995)	1427-1429,	American
JK	AS	<u>56</u>	Conditionally E	Lafontaine, D., and Tollervey, D., "One-step PCR Mediated Strategy for the Construction of Conditionally Expressed and Epitope Tagged Yeast Proteins," Nucl. Acids Res. 24:3469-3472, Oxford University Press (1996)					
JK	AT	<u>56</u>	Lake, J.A., "Evand Eukaryotes	olving Ribo ," <i>Ann. Re</i> v	osome Structure: Doma v. Biochem. 54:507-530	ains in Arc	chaebac Review	teria, Eubac s, Inc. (1985	teria, Eocytes
EXAMINER			/James K	Cetter/			DATE CO	ONSIDERED	07/14/2006

		Page 57 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
·	AB								
	AC								
	AD								
	AE								
	AF								
	AG				·				
	AH								
	Al								
	AJ								
	AK								
			F	OREIGN I	PATENT DOCUMENT	rs			
EXAMINER INITIAL		\Box	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
···-			OTHER (Inc	uding Autl	nor, Title, Date, Pertine	ent Pages, etc.)			
JK	AR	57	Lakso, M., et al	., "Targete	d oncogene activation <i>ci. USA 89</i> :6232-6236	by site-specific re , National Academ	combination ny of Science	in transgenic es (1992)	
JК	AS	57	Lander, E.S., "T Association for	Lander, E.S., "The new genomics: global views of biology," Science 274:536-539, America. Association for the Advancement of Science (October 1996)					
JK	AT	57	Landy, A., "Me pathways of Int	chanistic a and FLP,"	nd structural complexi Curr. Opin. Genet. D	ity in the site-speci ev. 3:699-707, Cui	fic recombir rent Biology	nation y (1993)	
EXAMINER			/James	Ketter/		DATE CO	NSIDERED	07/14/2000	

		Page 58 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC	$ \top $							
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
			F	OREIGN I	PATENT DOCUMENTS			·	
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM		_					Yes No	
	AN							Yes No	
	AO		· · · · · · · · · · · · · · · · · · ·					Yes No	
	AP							Yes No	
			OTHER (Inc	luding Autl	hor, Title, Date, Pertinent I	Pages, etc.)			
JК	AR	58	Landy, A., "Dy	namic, Strı	actural, and Regulatory As 13-949, Annual Reviews (spects of λ Site	-Specific Re	combination,"	
JK	AS	58	Langeveld, S.A Saccharomyces	Langeveld, S.A., et al., "Expression of an Escherichia coli phr gene in the yeast Saccharomyces cerevisiae," Mol. Gen. Genet. 199: 396-400, Springer-Verlag (1985)					
JK	AT	58	Lebreton, B., et Substrate," Gen	al., "Muta	tions That Improve the Bi	inding of Yeast of America (1	FLP Recom	nbinase to Its	
EXAMINER	L		/James Ke	etter/		DATE CO	NSIDERED	07/14/2006	

		Page 59 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DX	OCUMENT NUMBER	DATE	NAME	,	CLASS	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF	\top							
	AG	1							
	AH								
	AI	\top							
	AJ								
	AK								
			F	OREIGN I	PATENT DOCUMEN	NTS			
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL	\bot						· ·	Yes No
	AM	·				·			Yes No
	AN								Yes No
	AO				·				Yes No
	AP								Yes No
			OTHER (Incl	uding Auth	hor, Title, Date, Pertii	nent Pages, et	c.)		
JK	AR	<u>59</u>	Lee, E.C., et al., with Its Bacterio for Microbiolog	ophage λ H	Analysis of <i>Escheric</i> I' Recognition Site,"	chia coli Integ J. Bacteriol.	gration 173:60	Host Factor 9-617, Ame	Interactions rican Society
JK	AS	59	Lee, G., and Sai Recombination,	to, I., "Rol " <i>Gene 21</i>	le of Nucleotide Sequ 6:55-65, Elsevier Sci	uences of <i>lox</i> . ience (1998)	P Space	er Region in	Cre-mediated
JK	AT	59	vectors for Myc	obacteriun	ecific integration of n n smegmatis, Mycoba . Sci. USA 88:3111-3	acterium tube	erculosi	s, and bacill	e Calmette-
EXAMINER			/James K	etter/		D	ATE CO	NSIDERED	07/14/2006

		Page 60 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CL	ASS	SUB-CLASS	FILING DATE
	AA								
	AB			-					
	AC								
	AD							,	
- · · · · · · · · · · · · · · · · · · ·	AE								
	AF								
	AG								
	AH	7							
	ΑI						***		
	AJ	1							
	AK	_							
	l		F	OREIGN I	PATENT DOCUMENTS	3			
EXAMINER INITIAL		. [OOCUMENT NUMBER	DATE	COUNTRY	CL	_ASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes No
	AO								Yes No
	AP	+							Yes No
			OTHER (Incl	uding Autl	hor, Title, Date, Pertinen	t Pages, etc.)			
JK	AR	<u>60</u>	Lenski, R.E., et Enhancement of Microbiology (1	Bacterial	tic Analysis of a Plasmi Fitness," <i>J. Bacteriol. I</i>	d-Encoded, 76:3140-314	Host 47, A	Genotype-S merican Soc	pecific ciety For
JK	AS	60	Leong, J.M., et a site-specific re Academy of Sci	ecombinati	ration of single base-pai on system," <i>Proc. Natl.</i> 35)	ir deletions, i Acad. Sci. U	insert USA 8	ions, and su 32:6990-699	bstitutions by 4, National
JK	AT	60	Leslie, N.R., an Region of Escho University Pres	erichia col	D.H., "Site-specific Re i: Functional Replacements)	ecombination ent of <i>dif</i> ," E	n in th	ne Replication D.J. 14:1561	on Terminus -1570, Oxford
EXAMINER	I	.L	/James Ke	tter/		DA	TE CO	NSIDERED	07/14/2006

		Page 61 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
EODNA DTO 1440	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·				
EXAMINER INITIAL		<u>r</u>	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD			_		·				
•	AE									
	AF									
	AG									
	AH									
	AI		-							
	AJ									
	AK									
EXAMINER	1		F	OREIGN PA	TENT DOCUMENTS	1	Υ	r		
INITIAL		!	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL	- [Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP			i				Yes No		
	1		OTHER (Incl	uding Autho	r, Title, Date, Pertinent Pages,	etc.)				
JK	AR	<u>61</u>	Leung, L.L.K., Discovery of No Schattauer Verla	ovel Anti-Th	of Combinatorial Libraries and rombotic Drugs," <i>Thromb. Ho</i> aft mbH (1995)	nd Protei aemost. 7	n Engineerin 4:373-376, I	eg to the		
JK	AS	61	by Cre recombin	Li, Z.W., et al., "Generation of mice with a 200-kb amyloid precursor protein gene deletion by Cre recombinase-medicated site-specific recombination in embryonic stem cells. <i>Proc. Natl. Acad. Sci. USA 93</i> :6158-6162, National Academy of Sciences (1996)						
JK	AT	61	Liu, Q., et al., "recombinant DN	Liu, Q., et al., "The univector plasmid-fusion system, a method for rapid construction of ecombinant DNA without restriction enzymes," Curr. Biol. 8:1300-1309, Cell Press (1998)						
EXAMINER	L	<u> </u>	/James Ke	tter/		DATE CO	NSIDERED	07/14/2006		

		Page 62 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM RTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE	T								
	AF	\top								
	AG									
-	AH									
	AI	1								
	AJ	\top					1			
	AK									
			F	OREIGN	PATENT DOCUMENT	TS	l			
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS			
	AL							Yes No		
	АМ							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP	1						Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertin	ent Pages, etc.)				
JK	AR	<u>62</u>	Lorbach, E., et a	Lorbach, E., et al., "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants," J. Mol. Biol. 296:1175-1181, Academic Press (March 2000)						
JK	AS	62	independent DN	Lu, F., and Churchward, G., "Conjugative transposition: Tn916 integrase contains two independent DNA binding domains that recognize different DNA sequences," EMBO J. 13:1541-1548, Oxford University Press (April 1994)						
JK	AT	62	Site-Specific Tr	ransposon-	ficient Generation of In- Mediated Insertion of a coli," J. Virol. 67:45	f Foreign Genes in	nto a Baculovi	irus Genome		
EXAMINER		<u> </u>	/James Ke	tter/		DATE	CONSIDERED	07/14/200		

		Page 63 of 121	_
	ATTY. DOCKET NO.	APPLICATION NO.	
50014 pmg 1440	0942.5340005/BJD/JKM	10/792,035	
FORM PTO-1449	APPLICANTS		_
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.		
	FILING DATE	ART UNIT	
	March 4 2004	1636	

				U.S. PAT	ENT DOCUMENTS			1		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA				*					
	AB									
	AC									
	AD									
	AE									
	AF			-						
	AG									
	АН									
	AI	_								
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMENTS	3	<u> </u>	<u> </u>		
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinen	nt Pages, etc.)				
JK	AR	<u>63</u>	Regions," J. Bio	Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," J. Biol. Chem. 256:8177-8182, American Society for Biochemistry and Molecular Biology, Inc. (1981)						
JК	AS	63	From DNA to F	Madison, L.L., and Huisman, G.W., "Metabolic Engineering of Poly(3-Hydroxyalkanoates): From DNA to Plastic," <i>Microbiol. Mol. Biol. Reviews</i> 63:21-53, American Society for Microbiology (March 1999)						
JK	AT	63	Domain Proteir	Maemura, K., et al., "Generation of a Dominant-negative Mutant of Endothelial PAS Domain Protein 1 by Deletion of a Potent C-terminal Transactivation Domain," J. Biol. Chem. 274:31565-31570, The American Society for Biochemistry and Molecular Biology, Inc. (1999)						
EXAMINER			/James Ke	tter/		DATEC	ONSIDERED	07/14/2006		

		Page 64 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PA	TENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
-	AD								
	AE								
	AF								
	AG	\top							
	AH								
	AI	+-							
	AJ								
	AK								
			F	OREIGN	PATENT DOCUMENTS	<u> </u>			
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL							- No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
		<u></u>	OTHER (Inc	luding Au	thor, Title, Date, Pertiner	nt Pages, etc.)			
JK	AR	<u>64</u>	Maeser, S., and recombination i	Kahmanr n plant pr	n, R., "The Gin recombin otoplasts," <i>Mol. Gen. Ge</i>	nase of phage Mu enet. 230:170-176	can catalys	e site-specific Verlag (1991)	
JK	AS	64	Mahillon, J., et al., "IS231 and other Bacillus thuringiensis transposable elements: a review," Genetica 93:13-26, Kluwer Academic (November 1994)						
JК	AT	64	Mahillon, J., et al., "Subdivision of the Escherichia coli K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," Gene 223:47-54, Elsevier Science B.V. (1998)						
EXAMINER		ل	/James Ke	tter/		DATE C	ONSIDERED	07/14/2006	
Ì			, = ===== 100	,					

		Page 65 of 121
-	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORWIF 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL	1	Τ,	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA	_ - -	Jecoment Newspare	- DATE	TV-SVIE		000 00.00	TIDING DATE		
	AB	\top								
	AC									
	AD	\top				İ				
	AE	\top								
	AF									
	AG									
	АН	1			·					
	AI	\dashv								
	AJ	\top								
	AK									
			F	OREIGN P	ATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Auth	or, Title, Date, Pertinent Pages,	etc.)				
JK	AR	<u>65</u>	Malynn, B.A., e Recombinase M	Malynn, B.A., et al., "The scid Defect Affects the Final Step of the Immunoglobulin VDJ Recombinase Mechanism," Cell 54:453-460, Cell Press (1988)						
JK	AS	<u>65</u>	Maniatis, T., et 236:1237-1245,	Maniatis, T., et al., "Regulation of Inducible and Tissue-specific Gene Expression," Science 236:1237-1245, American Association for the Advancement of Science (1987)						
JK	АТ	65	Manning, P.A., Elsevier Science	Manning, P.A., et al., "Gene Capture in Vibrio cholerae," Trends in Microbiology 7:93-95, Elsevier Science (1999)						
EXAMINER	1	<u> </u>	/James Ke	etter/		DATE CO	NSIDERED	07/14/2006		
										

		Page 66 of 121
	ATTY, DOCKET No.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

	· · · · · · · · · · · · · · · · · · ·			U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		1	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA		-1							
	AB									
	AC									
	AD									
	AE									
	AF					4				
	AG									
	AH									
	AI									
	Α̈́J									
	AK									
			F	OREIGN PA	ATENT DOCUMENTS			T		
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL						ļ	No Yes		
	AM							No		
	AN							Yes No		
	AO				·			Yes No		
	AP							Yes No		
			OTHER (Inc	luding Autho	or, Title, Date, Pertinent	Pages, etc.)				
JK	AR	66	Site-Specific Re	ecombinatio	mosome Engineering in n System of a Yeast Plan bbiology (1990)	Saccharomyce smid," J. Bacte	s cerevisiae riol. 172:61(by Using a 0-618,		
JK	AS	66	McCarthy, J.E., leading to initia	McCarthy, J.E., and Brimacombe, R., "Prokaryotic translation: the interactive pathway leading to initiation," <i>Trends Genet.</i> 10:402-407, Elsevier Trends Journals (November 1994)						
JK	AT	66	Medberry, S.L., recombination,	Medberry, S.L., et al., "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," Nucl. Acids Res. 23:485-490, Oxford University Press (1995)						
EXAMINER		1	/James Ke	etter/		DATE CO	ONSIDERED	07/14/2006		

		Page 67 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ARTUNIT
	March 4, 2004	1636

				U.S. PATEN	T DOCUMENTS				
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG	T							
	AH								
	Al								
	AJ								
	AK								
	·		F	OREIGN PA	TENT DOCUMENTS				
EXAMINER INITIAL		_ r	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM	T						Yes No	
	AN	\dagger						Yes No	
	AO	+						Yes No	
	AP	+						Yes No	
	<u> </u>		OTHER (Incl	uding Author	, Title, Date, Pertinent Pages,	etc.)			
JK	AR	<u>67</u>	Mendiola, M.W. Present in α-hae Scientific Public	molysis Plasi	ruz, F., "Specificity of Insert mids of <i>Escherichia coli</i> ," <i>Mo</i>	ion of IS ol. Micro	91, an Insert biol. 3:979-9	ion Sequence 984, Blackwell	
JK	AS	<u>67</u>	Mercier, J., et al., "Structural and Functional Characterization of tnpI, a Recombinase Locus in Tn2I and Related β-Lactamase Transposons," J. Bacteriol. 172:3745-3757, American Society for Microbiology (1990)						
JK	АТ	<u>67</u>	Metcalf, W.W., et al., "Conditionally Replicative and Conjugative Plasmids Carrying lacZa for Cloning, Mutagenesis, and Allele Replacement in Bacteria," Plasmid 35:1-13, Academic Press, Inc. (January 1996)						
EXAMINER	l		/James K	etter/		DATE CO	NSIDERED	07/14/2006	

		Page 68 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG										
· · · · · · · · · · · · · · · · · · ·	AH	寸									
	ΑI										
<u></u>	AJ										
	AK	1									
			Ī	OREIGN F	PATENT DOCUMENTS	S _					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP	1						Yes No			
			OTHER (Inc	luding Auth	nor, Title, Date, Pertine	nt Pages, etc.)					
JK	AR	68	stranded RNA,	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Mette, M.F., et al., "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," EMBO J. 19:5194-5201, European Molecular Biology Organization (October 2000)							
JK	AS	68	Chromatograph	Meyer-Leon, L., et al., "Purification of the FLP Site-specific Recombinase by Affinity Chromatography and Re-examination of Basic Properties of the System," Nucl. Acids Res. 15:6469-6488, IRL Press Limited (1987)							
JК	АТ	68	coli. Mutants o	Miki, T., et al., "Control of segregation of chromosomal DNA by sex factor F in Escherichia coli. Mutants of DNA gyrase subunit A suppress letD (ccdB) product growth inhibition," J. Mol. Biol. 225:39-52, Academic Press (1992)							
EXAMINER			/James K	etter/		DATE (CONSIDERED	07/14/2006			

		Page 69 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	_
	FILING DATE	ART UNIT
	March 4, 2004	1636

-		_		U.S. PA	TENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA	Ì									
	AB										
3	AC										
	AD										
	AE										
	AF										
	AG							,			
	AH										
	ΑI										
	AJ										
	AK	Ì									
				FOREIGN	PATENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes			
		\dashv						No Yes			
	AM							No			
	AN							Yes No			
	AO						1	Yes			
				-				No Yes			
	AP							No			
	1	1	OTHER (In	cluding Au	thor, Title, Date, Pertinent	t Pages, etc.)					
JK	AR	69		Miller, H.I., et al., "int-h: an int Mutation of Phage λ That Enhances Site-Specific Recombination," Cell 20: 721-729, Cell Press (1980)							
JK	AS	69	Mizushima, S. Acids Res. 18::	Mizushima, S., and Nagat, S., "pEF-BOS, a Powerful Mammalian Expression Vector," Nucl. Acids Res. 18:5322, Oxford University Press (1990)							
JK	AT	69	Study of the In	Mizuuchi, K., and Mizuuchi, M., "Integrative Recombination of Bacteriophage λ: In Vitro Study of the Intermolecular Reaction," Cold Spring Harb. Symp. Quant. Biol. 43:1111-1114, Cold Spring Harbor Laboratory Press (1979)							
EXAMINER			/James	Ketter/		DATE CO	NSIDERED	07/14/2006			
77/ A 445/77					C SALAMOND COO D	mu line through citatic	- if not in confo	mance and not			

		Page 70 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATI	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE .	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC				*					
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK									
EVALUED.			F	OREIGN P	ATENT DOCUMENTS					
EXAMINER INITIAL	ļ		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Auth	or, Title, Date, Pertinent Pages,	etc.)				
JK	AR	70	Mizuuchi, M., a bacterial attachi University Press	nent site of	ni, K., "The extent of DNA seq phage lambda," <i>Nucl. Acids R</i>	quence rec es. 13:119	quired for a f 93-1208, Ox	unctional ford		
JK	AS	70	Mozo, T., and Hooykaas, P.J.J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet 236</i> :1-7, Springer-Verlag (1992)							
JK	Mullins, L.J., et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," Nucl. Acids Res. 25:2539-2540, Oxford University Press (1997)									
EXAMINER	L		/James H	Cetter/		DATE CO	NSIDERED	07/14/2006		

		Page 71 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS						
EXAMINER INITIAL		I	OCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA										
	AB										
	AC										
	AD				·						
	AE										
	AF										
	AG										
	АН										
	AI										
	AJ	\top									
	AK										
			F	OREIGN P	ATENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AL					-			Yes No		
	AM								Yes No		
	AN								Yes No		
	AO								Yes No		
	AP								Yes No		
			OTHER (Incl	uding Autho	or, Title, Date, Pertinent	Pages,	etc.)				
JK	AR	71	Previously unre	cognized Go	ence for Involvement of ene tIdD, in the Control :483-502, Academic Pr	of DN	A Gyrase	by letD (cc	dB) of Sex		
JK	AS	71	Bacteriophages	Nagaraja, R., and Weisberg, R.A., "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ," <i>J. Bacteriol. 172</i> :6540-6550, American Society for Microbiology (1990)							
JK	AT	71	Nagy, A., "Cre 109, Wiley-Liss	Nagy, A., "Cre Recombinase: The Universal Reagent for Genome Tailoring," Genesis 26:99-109, Wiley-Liss (2000)							
EXAMINER	<u>L</u>	<u>. I</u>	/James F	Cetter/			DATE CO	NSIDERED (7/14/2006		

		Page 72 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	•
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL	ļ	1	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA	_									
	AB					•					
	AC										
_	AD										
	AE										
	AF	1									
	AG										
	AH										
	AI	\top									
	AJ	1									
	AK	1	-								
	·		F	OREIGN P	ATENT DOCUMENTS						
EXAMINER INITIAL		١,	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM	\top						Yes No			
	AN	\top						Yes No			
	AO	\top						Yes No			
	AP	\top						Yes No			
			OTHER (Incl	uding Auth	or, Title, Date, Pertinent Pa	ges, etc.)		1NO			
JК	AR	<u>72</u>	Nash, H.A., "Int Natl. Acad. Sci.	Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA In Vitro," Proc. Natl. Acad. Sci. USA 72:1072-1076, National Academy of Sciences (1975)							
JK	AS	<u>72</u>		Nash, H.A., "Bending and supercoiling of DNA at the attachment site of bacteriophage lambda," Trends Biochem. Sci 15:222-227, Elsevier Trends Journals (1990)							
JK	АТ	<u>72</u>		Nash, H.A., "Purification and Properties of the Bacteriophage Lambda Int Protein," <i>Meth. Enzymol.</i> 100:210-216, Academic Press (1983)							
EXAMINER	<u></u>	<u> </u>	/James K	etter/		DATE CO	NSIDERED	07/14/2006			

		Page 73 of 121
	ATTY. DOCKET No.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA		Document Included		- IVAND	CLASS	Job Cariss	TIEMO DATE			
	AB										
	AC										
	AD										
	AE										
	AF										
	AG										
	АН										
	Al										
	AJ										
	AK										
	· · · · · · · · · · · · · · · · · · ·		F	OREIGN PA	ATENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
			OTHER (Inc	luding Autho	or, Title, Date, Pertinent Pages,	etc.)					
JK	AR	73	specific recomb	Nash, H.A., and Robertson, C.A., "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J. 8</i> :3523-3533, Oxford University Press (1989)							
JK	AS	73	Evidence agains	Nash, H.A., et al., "Role of homology in site-specific recombination of bacteriophage λ: Evidence against joining of cohesive ends," Proc. Natl. Acad. Sci. USA 84:4049-4053, National Academy of Sciences (1987)							
JК	AT	73	factor required	Nash, H.A., and Robertson, C.A., "Purification and properties of the Escherichia coli protein factor required for lambda integra tive recombination," J. Biol. Chem. 256:9246-9253, American Society for Biochemistry and Molecular Biology (1981)							
EXAMINER			/James H	Ketter/		DATE CO	NSIDERED (07/14/2006			

		Page 74 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
TORWIT 10-1443	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA							·		
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
 	AH									
	AI									
	AJ		4-20-							
	AK									
		1	F	OREIGN	PATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Ycs No		
	AM			1				Yes		
	AN							No Yes		
·				-			+	No Yes		
	AO	_		-			ļ	No Yes		
	AP						<u> </u>	No		
		1	OTHER (Inc	luding Aut	hor, Title, Date, Pertinent	Pages, etc.)				
JК	AR	74	Nomura, M., et Ann. Rev. Bioch	Nomura, M., et al., "Regulation of the Synthesis of Ribosomes and Ribosomal Components," Ann. Rev. Biochem. 53:75-117, Annual Reviews, Inc. (1984)						
JK	AS	74	the integrase ar	Numrych, T.E., et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," Nucl. Acids Res. 18:3953-3959, Oxford University Press (1990)						
JК	AT	74	protein: the C-t	Numrych, T.E., et al., "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis—integrase cooperativity but not for DNA binding," EMBO J. 11:3797-3806, Oxford University Press (1992)						
EXAMINER			/James	Ketter/		DATE CO	ONSIDERED	07/14/2006		

		Page 75 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
 	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
-	AE										
	AF	1									
	AG	1									
· · · · · · · · · · · · · · · · · · ·	AH										
	ΑI										
	AJ										
•	AK										
			F	OREIGN P	ATENT DOCUMENTS	8	· · · · · · · · · · · · · · · · · · ·				
EXAMINER INITIAL	<u> </u>		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
			OTHER (Inc	uding Auth	or, Title, Date, Pertinen	nt Pages, etc.)					
JK	AR	75	Nunes-Düby, S. of site-specific	E., et al., "Secombinas	Similarities and differe es," Nucl. Acids Res. 2	ences among 105 26:391-406, Oxfo	members of rd University	the Int family y Press (1998)			
JK	AS	75	Minimal Protein	Nunes-Düby, S.E., et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination," Cell 59:197-206, Cell Press (1989)							
JK	AT	75	Oberto, J., et al. lambdoid chrom	Oberto, J., et al., "A segment of the phage HK022 chromosome is a mosaic of other ambdoid chromosomes," Nucl. Acids Res. 22:354-356, Oxford University Press (February 994)							
EXAMINER			/James	Ketter/		DATE CO	NSIDERED	07/14/2006			

		Page 76 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10/04/10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

<u> </u>	· · · · · · · · · · · · · · · · · · ·			U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG										
	AH										
	ΑI										
	AJ		-								
	AK										
EVALUED			F	OREIGN P	ATENT DOCUMENTS			1			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
****	AP							Yes No			
	· · · · · · · · · · · · · · · · · · ·		OTHER (Incl	uding Auth	or, Title, Date, Pertinent	Pages, etc.)					
JK	AR	76		System," P	ecific Gene Activation It Plant Physiol. 106:447-4: 94)						
JK	AS	76	Contributing to	O'Gara, J.P., et al., "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in Rhodobacter sphaeroides 2.4.1," Appl. Environ. Microbiol. 63:4713-4720, American Society for Microbiology (1997)							
JK	AT	76	Ohara, O., and I recombination re	Ohara, O., and Temple, G., "Directional cDNA library construction assisted by the <i>in vitro</i> recombination reaction," <i>Nucl. Acids Research</i> 29:e22(1-8), Oxford University Press (2001)							
EXAMINER		<u></u>	/James	Ketter/		DATEC	ONSIDERED	07/14/2006			

		Page 77 of 12
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		DO	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA				,					
	AB									
	AC									
	AD							0):		
	AE									
	AF									
	AG									
	AH									
	AI									
	ΑJ									
	AK									
EXAMINER			F	OREIGN PA	TENT DOCUMENTS			1		
INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	АМ							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP		,					Yes No		
			OTHER (Incl	uding Author	, Title, Date, Pertinent Pages,	etc.)	·			
JK	AR	<u>77</u>	Library into Man	Okayama, H., and Berg, P., "Bacteriophage Lambda Vector for Transducing a cDNA Clone Library into Mammalian Cells," <i>Mol. Cell. Biol.</i> 5:1136-1142, American Society for Microbiology (1985)						
JK	AS	<u>77</u>		Oliner, J.D., et al., "In vivo cloning of PCR products in E. coli," Nucl. Acids Res. 21:5192-5197, Oxford University Press (1993)						
JK	АТ	<u>77</u>			and site-specific DNA recomb 1-6865, National Academy of			mice," Proc.		
EXAMINER			/James	Ketter/		DATE CO	NSIDERED	07/14/2006		

		
		Page 78 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORWIF 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PA7	TENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG										
	АН										
	AI										
	AJ		,								
	AK										
			F	OREIGN I	PATENT DOCUMENTS	S			1		
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AL	_		<u> </u>					Yes No		
	AM								Yes No		
	AN								Yes No		
	AO								Yes No		
	AP								Yes No		
		_	OTHER (Incl	uding Auti	hor, Title, Date, Pertinen	nt Pages, et	ic.)				
JK	AR	78		Osborne, B.I., et al., "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," Plant J. 7:687-701, Blackwell Scientific Publishers							
JК	AS	78	to promote Hin-	Osuna, R., et al., "Identification of two functional regions in Fis: the N-terminus is required to promote Hin-mediated DNA inversion by not I excision," EMBO J. 10:1593-1603, Oxford University Press (1991)							
JK	AT	78			J.A., "Creating seamles: 8:31-35, Elsevier Science				triction sites		
EXAMINER			/James	Ketter/		D	ATE CO	NSIDERED (7/14/2006		

		Page 79 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	_
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CI	_ASS_	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE						.,		
	AF								
	AG								
	AH								
	ΑĪ								
	AJ								
	AK								
			F	OREIGN	PATENT DOCUMENT	rs		,	
EXAMINER INITIAL			OCUMENT NUMBER	DATE	COUNTRY	C	LASS	SUB-CLASS	TRANSLATION Yes
	AL_								No
	AM								Yes No
	AN			1					Yes No
	AO			-					Yes No
	АР	-							Yes No
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	ent Pages, etc.)		1.0
JK	AR	79	Pal, S.K., et al.,	"P1 Plasm	nid Replication. Role of 2:275-285, Academic I	of Initiator Tit	ratior	in Copy N	umber
JК	AS	79	fusion-protein s	Palazzolo, M.J., et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," Gene 88:25-36, Elsevier Science (1990)					
JK	AT	79	Recombinases	Pan, G., et al., "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," J. Biol. Chem. 268:3683-3689, American Society for Biochemistry and Molecular Biology (1993)					
EXAMINER			/James	Ketter/		DA	TE CC	NSIDERED	07/14/2006

		Page 80 of 121
· · · · · · · · · · · · · · · · · · ·	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10Idv1110-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								-
	AB								
	AC						·		
	AD								
	AE								
	AF								
	AG								
	AH								
	Al								
	AJ								
	AK								
			F	OREIGN	PATENT DOCUMENT	S			
EXAMINER INITIAL		\downarrow	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes No
	AO								Yes No
	AP						-		Yes No
			OTHER (Incl	luding Aut	hor, Title, Date, Pertine	nt Pages, et	c.)		
JK	AR	80	Metabolism thro	ough an or	ring of Quasi-Natural Antho-Cleavage Degradaticity for Microbiology	tion Pathwa	as putic y," App	da Strains fo	r Toluene Microbiol.
JK	AS	80	Production Help	Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," J. Virol. 71:3293-3298, American Society For Microbiology (1997)					
JK	AT	80	Patel, P.H., and consequences," (May 2000)	Patel, P.H., and Loeb, L.A., "DNA polymerase active site is highly mutable: Evolutionary consequences," <i>Proc. Natl. Acad. Sci. USA 97</i> :5095-5100, National Academy of Sciences (May 2000)					
EXAMINER		1	/James	Ketter/		D.	ATE CO	NSIDERED	07/14/2006

		Page 81 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
1010/110-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATI	ENT DOCUMENTS				
EXAMINER INITIAL		\perp	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
•	AD								
	AE								
	AF		-						
	AG						1		
	АН								
	AI								
	AJ								
	AK								
			F	OREIGN P	ATENT DOCUMEN	TS		L	
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN					1 - 1 · · · · · · · · · · · · · · · · · ·			Yes No
	AO								Yes No
	AP								Yes No
			OTHER (Incl	uding Autho	or, Title, Date, Pertin	ent Pages,	etc.)		
JK	AR	81		ediated site	thly efficient general s-specific <i>in vitro</i> rec 1992)				
JК	AS	81		Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene 187</i> :231-238, Elsevier Science (1997)					
JK	АТ	81			ew England Biolabs sity Press (January I		abase," /	Vucl. Acids H	Res.
EXAMINER	<u></u>	<u>L_</u>	/James	Ketter/			DATE CO	NSIDERED (07/14/2006

		Page 82 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA	ŀ								
	AB									
	AC		::							
	AD									
	AE									
	AF									
	AG									
_	AH									
	ΑĪ									
	AJ									
	AK									
EXAMINER		_	F	OREIGN PA	TENT DOCUMENTS			1		
INITIAL		\dashv	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	uding Author	r, Title, Date, Pertinent Pages,	etc.)				
JK	AR	82	Persson, M.A.A Academic Publi		torial Libraries," <i>Intern. Rev.</i> (1993)	Immunol.	<i>10</i> :153-63,	Harwood		
JК	AS	82		Phillips-Jones, M.K., et al., "Context Effects on Misreading and Suppression at UAG Codons in Human Cells," Mol. Cell. Biol. 15:6593-6600, American Society for Microbiology (1995)						
JK	AT	82	determines subs	Pichel, J.G., et al., "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," Gene 8:3333-3342, Elsevier Science (1993)						
EXAMINER	. L	1	/James	Ketter/		DATE CO	NSIDERED	07/14/2006		

		Page 83 of 121
	ATTY, DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10/04/10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PA	TENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH						 		
	IA						 	·	
	AJ			 			1		
	AK								
			F	OREIGN	PATENT DOCUMEN	TS	<u> </u>	<u> </u>	
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes	
	AN		· · · · · · · · · · · · · · · · · · ·	-			 	No Yes	
	AO			-				No Yes	
	AP		· /=					No Yes	
			OTHER (Incl	uding Aut	har Title Date Pertin	ent Pages etc.)		No	
JK	AR	83	Pierce, J.C., et a	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Pierce, J.C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," Proc. Natl. Acad. Sci. USA 89:2056-2060, National Academy of Sciences (1992)					
JK	AS	8.3		Podhajska, A.J., et al., "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated att-nutL-p-att-N module," Gene 40:163-168, Elsevier Science (1985)					
JK	AT	8.3		Pósfai, G., et al., "In vivo excision and amplification of large segments of the Escherichia coli genome," Nucl. Acids Res. 22:2392-2398, Oxford University Press (June 1994)					
EXAMINER	1		/James	s Ketter	r/	DATE CO	NSIDERED (07/14/2006	

		Page 84 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10KW110-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG	1							
	AH	7				1			
	AI	7							
	AJ								
	AK								
			F	OREIGN P	ATENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
		\	OTHER (Inc	luding Auth	or, Title, Date, Pertinent	Pages, etc.)			
JК	AR	84	Powell, J., "Enh Gene Expressio (1998)	nanced conc n) techniqu	eatemer cloning-a modifi e," Nucl. Acids Res. 26:3	cation to the SA 3445-3446, Oxf	AGE (Serial ord Universi	Analysis of ity Press	
JК	AS	84	Effect of Mutat	Prasad, P.V., et al., "Substrate Recognition by the 2µm Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," Mol. Cell. Biol. 6:4329-4334, American Society for Microbiology (1986)					
JK	AT	84	Pathway of Esc	Prieto, M.A., et al., "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of Escherichia coli W: Engineering a Mobile Aromatic Degradative Cluster," J. Bacteriol. 178:111-120, American Society for Microbiology (1996)					
EXAMINER	_L		/James	Ketter/		DATE CO	NSIDERED	07/14/2006	

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT

	Page 85 of 121
ATTY. DOCKET NO.	APPLICATION NO.
0942.5340005/BJD/JKM	10/792,035
APPLICANTS	
Chesnut et al.	
FILING DATE	ART UNIT
March 4, 2004	1636

	·			U.S. PATI	ENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE	\exists							
	AF	1							
	AG								
	AH	7	-						
	AI	1							
	AJ	_							
	AK								
			I	OREIGN P	ATENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
			OTHER (Inc	luding Auth	or, Title, Date, Pertinent	Pages, etc.)			
JK	AR	85	Model System	for Analyzin " <i>J. Biol. Ci</i>	between Half- and Full- ng Early Steps in FLP Pa hem 267:7794-7805, An	rotein-Mediated	Site-Specifi	С	
JК	AS	85	Qin, M., et al., "Cre recombinase-mediated site-specific recombination between plant chromosomes," Proc. Natl. Acad. Sci. USA 91:1706-1710, National Academy of Sciences (1994)						
JK	AT	Qin, M., et al., "Site-specific Cleavage of Chromosomes in vitro Through Cre-lox Recombination," Nucl. Acids Res. 23:1923-1927, Oxford University Press (June 1995)							
EXAMINER	_1		/Jame	s Ketter/	1	DATE CO	NSIDERED	07/14/2006	
					onformance with MPEP 609. Dra	aw line through citation	n if not in confo	rmance and not	
considered. Inch	ue copy of	unis	form with next communica	tion to Applican	l.				

		Page 86 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10104110-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
<u> </u>	АН									
	AI	1	·····							
	AJ	1								
· · · · · · · · · · · · · · · · · · ·	AK	\exists	· · · · · · · · · · · · · · · · · · ·							
			F	OREIGN PA	TENT DOCUMENTS		1			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
,,,,,	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Author	, Title, Date, Pertinent Pages,	etc.)				
JK	AR	86	Vitro: DNA Cle	Reed, R.R., and Grindley, N.D., "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," Cell 25:721-728, Cell Press (1981)						
JK	AS	86		Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," Cell 25:713-719, Cell Press (1981)						
JK	AT	Richet, E., et al., "Synapsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," Cell 52:9-17, Cell Press (1988)								
EXAMINER	1		/Jame:	s Ketter/		DATE CO	NSIDERED	07/14/2006		

		Page 87 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS .	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA										
	AB							-			
	AC										
	AD										
	AE										
	AF		· · · · · · · · · · · · · · · · · · ·					_			
	AG										
	АН		•								
	AI										
-	AJ						 				
	AK										
				FOREIGN I	PATENT DOCUMENT	TS	1	J			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AL								Yes No		
-	AM		·						Yes No		
	AN								Yes No		
	AO			†					Yes No		
	AP						-		Yes		
			OTHER (Inc	luding Autl	hor, Title, Date, Pertin	ent Pages, o	etc.)	J	No		
JК	AR	8.	Richet, E., et and Defining the Re	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Richet, E., et al., "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," Cell 46:1011- 1021, Cell Press (1986)							
JK	AS	8.		Ross, W., and Landy, A., "Patterns of λ Int Recognition in the Regions of Strand Exchange," Cell 33:261-272, Cell Press (1983)							
JK	AT	8		Russell, M., "A recombination-based cloning system that decreases time to protein analysis," Am. Biotechnol. Lab. 18:8,10, International Scientific Communications, Inc. (June 2000)							
EXAMINER		ــــــــــــــــــــــــــــــــــــــ	/Jame	s Ketter	:/		DATE CO	NSIDERED	07/14/2006		

		Page 88 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
70Idil 110-144)	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATI	ENT DOCUMENTS						
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB	\top									
	AC	\top									
	AD	T									
	AE										
	AF	T									
	AG										
	AH										
-	AI										
	AJ										
	AK										
			F	OREIGN P	ATENT DOCUMENTS	S					
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL	\perp						Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
			OTHER (Incl	uding Autho	or, Title, Date, Pertiner	nt Pages, etc.)					
JK	AR	88	Sadowski, P.D., cerevisiae," Pro	Sadowski, P.D., "The Flp recombinase of the 2-microns plasmid of Saccharomyces cerevisiae," <i>Prog. Nucl. Acid Res. Mol. Biol. 51</i> :53-91, Academic Press (1995)							
JK	AS	88		Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," J. Bacteriol. 165:341-347, American Society for Microbiology (1986)							
JK	AT	88		Sambrook, J., et al., Molecular Cloning: A Laboratory Manual, 2nd ed., Cold Spring Harbor Laboratory Press, NY, pp. 16.6-16.8 (1989)							
EXAMINER			/James	s Ketter/	,	DATEC	ONSIDERED	07/14/2006			

		Page 89 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM FIO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

					U.S. PATE	NT DOCUMENTS				
EXAMINER INITIAL			DOCUME	ENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD	Ì								
	AE									
	AF									
	AG		"							
	AH	\dashv								
	Al			<u> </u>						
	AJ	-								
	AK	\neg			<u> </u>					
	I AIR	l	_		OPFICN PA	TENT DOCUMENTS			<u> </u>	
EXAMINER	1							1		
INITIAL			DOCUM	ENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL								No	
	AM								Yes No	
	AN								Yes No	
	AO								Yes	
		-			-				No Yes	
	AP				<u> </u>			<u> </u>	No	
JK	AR	89	Sar		Protein Engin	r, Title, Date, Pertinent Page		chnol. 12:43	7-462, CRC	
JK	AS	89	2 Pro	Sato, T., et al., "The cisA Cistron of Bacillus subtilis Sporulation Gene spoIVC Encodes a Protein Homologous to a Site-Specific Recombinase," J. Bacteriol. 172:1092-1098, American Society for Microbiology (1990)						
JK	JK Sauer, B., "Functional Expression of the cre-lox Site-Specific Recombination System in the Yeast Saccharomyces cerevisiae," Mol. Cell. Biol. 7:2087-2096, American Society for Microbiology (1987)								ystem in the iety for	
EXAMINER	1			/James	Ketter/		DATE CO	NSIDERED	07/14/2006	

		Page 90 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	AI									
	AJ			-		<u> </u>				
	AK									
			F	OREIGN PA	TENT DOCUMENTS			1		
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN		N	,				Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Autho	r, Title, Date, Pertinent Pages,	etc.)				
JК	AR	90	Sauer, B., et al., Angiotensin II A 4:143-149, Acad	T1 Recepto	on of Isogenic Cell Lines Exp ors by Cre-Mediated Site-Spec (1992)	ressing H ific Reco	Iuman and R mbination,"	at Methods		
JK	AS	90	Cre recombinas	Sauer, B., and Henderson, N., "Site-specific DNA recombination in mammalian cells by the Cre recombinase of bacteriophage P1," <i>Proc. Natl. Acad. Sci. USA 85</i> : 5166-5170, National Academy of Sciences (1988)						
JК	AT	90		Sauer, B., "Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System," J. Cell. Bio. Chem. Supp. 10(b): 242 (I340), Alan R. Liss, Inc. (1986)						
EXAMINER			/Jar	nes Kette	r/	DATE CO	NSIDERED	07/14/2006		

		Page 91 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD							·		
	AE									
	AF						 			
	AG									
	AH									
-	AI									
	AJ									
	AK									
			F	OREIGN P.	ATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Auth	or, Title, Date, Pertinent Pages	, etc.)				
JK	AR	9		d into the m	N., "Cre-stimulated recombina nammalian genome," Nucl. Ad					
JK	AS	9		Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," Meth. Enzymol. 225:890-900, Academic Press (1993)						
JK	АТ	9		Sauer, B., "Site-specific recombination: developments and applications," Curr. Opin. Biotechnol. 5:521-527, Current Biology (October 1994)						
EXAMINER			/Jame	s Ketter/	· · · · · · · · · · · · · · · · · · ·	DATE CO	NSIDERED	07/14/2006		

		Page 92 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								
	AB					_			
	AC								
	AD								
	AE						_		
	AF								
	AG								
	AH								
	AI								
	AJ						-		
	AK								
	_ !	1	i i	OREIGN P	ATENT DOCUMEN	TS			
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN	Î							Yes No
	AO								Yes No
	AP								Yes No
	.1		OTHER (Inc	luding Auth	or, Title, Date, Pertin	nent Pages, et	c.)		
JК	AR	92			ific insertion of DNA 08-9112, National A				or," <i>Proc</i> .
JK	AS	92		Sauer, B., and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene 70</i> :331-341, Elsevier Science (1988)					
JK	AT	92		Sauer, B., "Inducible gene targeting in mice using the Cre/lox system," Methods 14:381-392, Academic Press (April 1998)					
EXAMINER	_1		l/Jame:	s Ketter,	/	D	ATE CO	NSIDERED	07/14/2006

		Page 93 of 121
	ATTY, DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		1	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	AI									
	AJ									
	AK									
EV ANDES			F	OREIGN F	PATENT DOCUMENTS			1		
EXAMINER INITIAL	ļ	:	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL	\perp						No Yes		
	AM			<u> </u>				No Yes		
	AN							No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Auth	or, Title, Date, Pertinent Pa	ages, etc.)				
JК	AR	93	Sauer, B., "Mulboth a natural ar	nd an engin	lox recombination permits specified as the local site in the yeast general 996)	selective site-some," Nucl. A	specific DN. cids Res. 24	A targeting to :4608-4613,		
JK	AS	93	Genes by Funct	Schild, D., et al., "Cloning of Three Human Multifunction de novo Purine Biosynthetic Genes by Functional Complementation of Yeast Mutations," Proc. Natl. Acad. Sci. USA 87:2916-2920, National Academy of Sciences (1990)						
JК	АТ	93	specific recomb	Schindelhauer, D., and Cooke, H.J., "Efficient combination of large DNA in vitro: in gel site specific recombination (IGSSR) of PAC fragments containing α satellite DNA and the human HPRT gene locus," Nucl. Acids Res. 25:2241-2243, Oxford University Press (1997)						
EXAMINER	_1	٠	/James	Ketter,	/	DATE CO	NSIDERED	07/14/2006		

		Page 94 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		1	OCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG		 	-						
	AH	1	···							
	AI						<u> </u>			
	AJ	7					<u> </u>			
	AK	\dashv								
			F	OREIGN E	PATENT DOCUMEN	NTS				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
INTIAL	AL	İ	DOCUMENT NOMEDER						Yes No	
	AM	\dashv							Yes No	
	AN					 .			Yes No	
	AO	1							Yes No	
	AP	\dashv		+					Yes No	
			OTHER (Inc	luding Autl	hor, Title, Date, Perti	nent Pages,	etc.)	<u>. </u>	No	
JK	AR	94	Schlake, T., and Exchange of Ex	d Bode, J., o	"Use of Mutated FLI lassettes at Defined Cal Society (Novembe	P Recogniti Chromosom	on Targe	t (FRT) Site	s for the ry 33:12746-	
JК	AS	94	Schnepf, E., et Mol. Biol. Rev.	Schnepf, E., et al., "Bacillus thuringiensis and Its Pesticidal Crystal Proteins," Microbiol. Mol. Biol. Rev. 62:775-806, American Society for Microbiology (1998)						
JК	AT	94	Scott, S.D., and Marples, B., "Comment on the use of the cre/loxP recombinase system for gene therapy vectors," Gene Therapy 7:1706, Macmillan Publishers Ltd. (2000)							
EXAMINER			/James	Ketter/	/		DATE CO	NSIDERED	07/14/2006	
						0. 5		n if not in confo	manner and not	

		Page 95 of 121
	ATTY. DOCKET No.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORW F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATI	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	AE									
•	AF									
	AG									
	АН									
	ΑI									
	AJ									
	AK									
	<u> </u>		F	OREIGN P.	ATENT DOCUMENT	rs				
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN								Yes No	
	AO								Yes No	
	AP								Yes No	
			OTHER (Incl	uding Author	or, Title, Date, Pertine	ent Pages,	etc.)			
JK	AR	95		Non-specifi	tectural Elements in N c DNA Binding Prote					
JК	AS	95	recombination:	Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the attL site into three distinct pathways," Genes Cells 1:453-463, Blackwell Science Ltd. (1996)						
JK	AT	95	recombination:	legall, A.M., and Nash, H.A., "Synaptic intermediates in bacteriophage lambda site-specific ecombination: integrase can align pairs of attachment sites," <i>EMBO J. 12</i> :4567-4576, Oxford University Press (1993)						
EXAMINER	<u> </u>	1	/James	Ketter/	,		DATE CO	NSIDERED	07/14/2006	

		Page 96 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
10Idil 110-144)	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL	_		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	Al									
	AJ									
	AK									
			1	FOREIGN P	ATENT DOCUMENTS			·	1	
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	COUNTRY		CLASS _	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN								Yes No	
	AO								Yes No	
· · · · · · · · · · · · · · · · · · ·	AP								Yes No	
		'	OTHER (Inc	luding Auth	or, Title, Date, Pertinent	Pages, etc	:.)			
JК	AR	90	Senecoff, J.F., 6 A Mutational A (1988)	et al., "DNA malysis of t	A Recognition by the FLI he FLP Binding Site," J.	P Recomb	oinase (of the Yeast 405-421, Ac	2 μ Plasmid - ademic Press	
JK	AS	90	Sheffield, P., et family of "para (1999)	Sheffield, P., et al., "Overcoming expression and purification problems of RhoGDI using a family of "parallel" expression vectors," Protein Expr. Purif. 15:34-39, Academic Press (1999)						
JK	AT	90	Clathrin-Associ	Shim, J., et al., "Distinct and Redundant Functions of μ 1 Medium Chains of the AP-1 Clathrin-Associated Protein Complex in the Nematode Caenorhabditis elegans," Mol. Biol. Cell 11:2743-2756, American Society for Biology (August 2000)						
EXAMINER		1	/Jame	s Ketter	/	DA	ATE CO	NSIDERED	07/14/2006	

		Page 97 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	-
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	TENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
-	AB				·					
	AC									
	AD									
	AE									
- 101	AF									
	AG									
	AH	\neg								
	AI	\top								
	AJ									
	AK	1								
			F	OREIGN	PATENT DOCUMEN	ITS				
EXAMINER INITIAL		- 1	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP	\dashv						Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertii	nent Pages, etc.)				
JK	AR	97	Shuman, S., "Re Escherichia col Academy of Sci	i is sequen	ion mediated by vacc ce specific," <i>Proc. No</i> 91)	inia virus DNA top atl. Acad. Sci. USA	88:10104-10	in 0108, National		
JK	AS	97	Vaccinia DNA	Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccinia DNA Topoisomerase," <i>J. Biol. Chem. 269</i> :32678-32684, American Society for Biochemistry and Molecular Biology, Inc. (1994)						
JK	AT	Simpson, J.C., et al., "Systematic Subcellular Localization of Novel Proteins Identified by Large-scale cDNA Sequencing," EMBO Rep. 1:287-292, Oxford University Press (September 2000)								
EXAMINER			/James	Ketter	/	DATEC	ONSIDERED	07/14/2006		
L						Drow line through gitet	ion if not in confo	rmance and not		

		Page 98 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB						II.		
	AC								
·	AD								
	AE								
 -	AF								
	AG								
_	AH								
	AI								
· 	AJ					*	-		
	AK								
		.	F	OREIGN	PATENT DOCUMEN	NTS		<u> </u>	
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO	<u> </u>						Yes No	
	AP	+						Yes	
			OTHER (Inc	luding Aut	hor, Title, Date, Perti	nent Pages, etc.)			
JK	AR	98	(August 21, 200	00) availab	r Cloning," <i>The Scie</i> le at: om/yr2000/aug/profi	•	Scientist Inc.		
JК	AS	98	Sizemore, C., et al., "Quantitative analysis of Tn10 Tet repressor binding to a complete set of tet operator mutants," Nucl. Acids Res. 18:2875-2880, Oxford University Press (1990)						
JК	AT	28	Skraly, F.A., et Environ. Micro	al., "Cons biol. 64:98	struction and Charact 3-105, American Soc	erization of a 1,3-P iety for Microbiolo	ropanediol O gy (1998)	peron," Appl.	
	l	1	1						

		Page 99 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
,	AH									
	IA									
	AJ									
	AK									
			F	OREIGN PA	ATENT DOCUMENTS		<u> </u>			
EXAMINER INITIAL		_	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
		1	OTHER (Inc.	luding Autho	or, Title, Date, Pertinent	Pages, etc.)	,\			
JK	AR	29			e-directed chromosomal ation," Nat. Genet. 9:376					
JК	AS	99	Snaith, M.R., et Cre and Flp site 1995)	Snaith, M.R., et al., "Multiple cloning sites carrying loxP and FRT recognition sites for the Cre and Flp site-specific recombinases," Gene 166:173-174, Elsevier Science (December 1, 1995)						
JK	AT	29	Spengler, S.J., et al., "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," Cell 42:325- 334, Cell Press (1985)							
EXAMINER		ل	/James	Ketter/		DATE CO	NSIDERED	07/14/2006		

		Page 100 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	ENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·			
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
· ·	AH									
	AI									
	AJ							,		
	AK									
			F	OREIGN P.	ATENT DOCUMENT	rs	<u> </u>	· · · · · · · · · · · · · · · · · · ·		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN								Yes No	
	AO		_						Yes No	
	AP								Yes No	
			OTHER (Inc	uding Auth	or, Title, Date, Pertine	ent Pages,	etc.)			
JK	AR	100	Spinella, D.G., new method for Oxford Univers	generating	dem arrayed ligation of global gene expression (999)	of express on profile	sed seque s," <i>Nucl</i> .	nce tags (TA Acids Res. 2	ALEST): a 27(e22):i-viii,	
JK	AS	100	Stark, W. M., et in the Forward	Stark, W. M., et al., "Site-specific Recombination by TN3 Resolvase: Topological Changes in the Forward and Reverse Reactions," Cell 58:779-790, Cell Press (1989)						
JK	AT	Stassi, D.L., et al., "Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering," Proc. Natl. Acad. Sci. USA 95:7305-7309, National Academy of Sciences of the USA (1998)								
EXAMINER		1	/Jame	s Ketter	/		DATE CO	NSIDERED	07/14/2006	

		Page 101 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10/04/1/0-(449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL			OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI									
	AJ									
	AK									
EXAMINER			F	OREIGN PA	TENT DOCUMENTS		1			
INITIAL	<u> </u>	_ [OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Incl	uding Author	, Title, Date, Pertinent Pages,	etc.)				
JK	AR	101	ATP-dependent	Stellwagen, A.E., and Craig, N.L., "Mobile DNA elements: controlling transposition with ATP-dependent molecular switches," <i>Trends Biochem. Sci.</i> 23:486-490, Elsevier Science Publishers (1998)						
JK	AS	101		Stenzel, T. T., et al., "The Integration Host Factor of Escherichia coli Binds to Bent DNA at the Origin of Replication of the Plasmid pSC01," Cell 49:709-717, Cell Press (1987)						
JK	АТ	101	recovery of DN	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences (1990)						
EXAMINER		L	/Jame	s Ketter/		DATE CO	NSIDERED	07/14/2006		

		Page 102 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC	_								
	AD									
	AE									
 	AF	1								
	AG			· · · · ·		<u>.</u>				
	AH	<u> </u>	· · · · · · · · · · · · · · · · · · ·							
	AI									
	AJ	-					 			
 _	AK	+	·····	-						
			F	OREIGN I	PATENT DOCUME!	NTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN			1					Yes No	
	AO								Yes No	
	AP	- -		ļ					Yes No	
	1		OTHER (Inc	luding Aut	hor, Title, Date, Perti	inent Pages,	etc.)			
JK	AR	102	Stemberg, N., <i>e</i> 187:197-212, A		teriophage P1 <i>cre</i> Ge ress (1986)	ene and its R	Regulator	y Region,".	J. Mol. Biol.	
JК	AS	102	Bacteriophage I	Sternberg, N., et al., "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," Cold Spring Harbor Symp. Quant. Biol. 45:297-309, Cold Spring Harbor Laboratory Press (1981)						
JK	AT	102	Storck, T., et al manipulation in	., "Rapid o	construction in yeast e," Nucl. Acids Res.	of complex 24:4594-459	targeting	y vectors for d Universit	gene y Press (1996)	
EXAMINER		1	/J:	ames Ket	ter/		DATE CO	NSIDERED	07/14/2006	
					14000 66	Down line the		n if not in confe	rmance and not	

		Page 103 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

	· · · · · ·			U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL	ļ	DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
-	AE						-		
	AF								
	AG								
 	AH								
	AI	1							
	AJ								
	AK								
	_		F	OREIGN I	PATENT DOCUMEN	ITS			
EXAMINER INITIAL	DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL	_						No Yes	
	AM							No Yes	
	AN							No	
	AO						_	Ye:	
	AP							Ye: No	
			OTHER (Inc	luding Aut	hor, Title, Date, Perti	nent Pages, etc.)			
JK	AR	103	Strathmann, M. <i>USA 88</i> :1247-1	, <i>et al</i> ., "Ti 250, Natio	ransposon-facilitated nal Academy of Scie	DNA sequencing, nces (1991)	Proc. Natl.	Acad. Sci.	
JK	AS	<u>103</u>	Stryer, L., Biochemistry, 2nd ed., W.H. Freeman and Co., San Francisco, CA, p. 610 (1981)						
JК	AT	103	Stuurman, J., et al., "Single-site manipulation of tomato chromosomes in vitro and in vivo using Cre-lox site-specific recombination," Plant Molecular Biology 32:901-913, Kluwer Academic Publishers (1996)						
1	1	1		mes Ket			ONSIDERED		

		Page 104 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
10101110-1447	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF				 		 	<u> </u>		
	AG					- .				
	AH									
	Al	-			 					
	AJ									
-	AK									
			F	OREIGN PA	TENT DOCUMENTS	<u>, l</u>	l	<u> </u>		
EXAMINER INITIAL		D	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
, -	AL							Yes No		
	AM							Yes No		
	AN		· · · · · · · · · · · · · · · · · · ·				-	Yes No		
	AO							Yes		
-	AP							No Yes		
		<u></u>	OTHER (Incl	uding Author	r, Title, Date, Pertinent Page	es, etc.)	l	No No		
JK	AR	104		vnstream of	Essential Origin of Plasmic Iterons," <i>J. Bacteriol. 175</i> :5					
JK	AS	104	bacteriophage λ.	Thompson, J.F., et al., "Helical-repeat dependence of integrative recombination of bacteriophage λ: Role of the P1 and H1 protein binding sites," Proc. Natl. Acad. Sci. USA 85:6323-6327, National Academy of Sciences (1988)						
JK	AT	104	Lambda Site-Sp	ecific Recon	ations in an Integration Hos bination and Regulatory In Microbiology (1986)					
EXAMINER	J		/.Tame	es Ketter		DATE CO	NSIDERED	07/14/2006		

		Page 105 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL	<u> </u>	DO	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE		
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG		•								
- , , - , -	AH										
	ΑI	1				, , ——					
	AJ										
	AK										
			F	OREIGN P	ATENT DOCUMEN	NTS	·				
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AL								Yes No		
	AM								Yes No		
	AN								Yes No		
	AO								Yes No		
	AP								Yes No		
			OTHER (Incl	uding Auth	or, Title, Date, Perti	inent Pages, e	tc.)				
JK	AR	105	catalyzed by a re	ecombinase	M.C.M., "In vitro si e of the resolvase/in cademy of Sciences	vertase fami	ntegratio ly," <i>Pro</i> c	n of bacterio	phage DNA d. Sci. USA		
JК	AS	105	Tsurushita, N., o heavy and light Science (1996)	Tsurushita, N., et al., "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," Gene 172:59-63, Elsevier Science (1996)							
JK	AT	105	Polypeptide Cha	Uetsuki, T., et al., "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1a," J. Biol. Chem. 264:5791-5798, The American Society for Biochemistry and Molecular Biology, Inc. (1989)							
EXAMINER			/Jar	nes Kette	er/		DATE CO	NSIDERED	07/14/2006		

		Page 106 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL	1	DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG										
	AH										
	AI										
	AJ										
	AK										
			F	OREIGN	PATENT DOCUMENT	S					
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
-,	AO							Yes No			
	AP							Yes No			
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	ent Pages, etc.)					
JK	AR	<u>106</u>	van den Berg, A unknown SAGI	A., et al., "S E tags," Nu	Serial analysis of gene acl. Acid Res. 27(e17):i	expression: rapid	RT-PCR and ersity Press (alysis of (1999)			
JК	AS	106	Vanin, E.F., et a Mediated Reco (1997)	Vanin, E.F., et al., "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination," J. Virol. 71:7820-7826, American Society For Microbiology (1997)							
JK	AT	106	to Recombinati	Venkatesh, T.V., and Radding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination protein b of Phage I," <i>J. Bacteriol.</i> 175:1844-1846, American Society of Microbiology (1993)							
EXAMINER		J	/Jam	es Kette	er/	DATE	ONSIDERED	07/14/2006			

		Page 107 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F 10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
,	AC								
	AD				·				
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
			F	OREIGN	PATENT DOCUMEN	TS		T	
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL							No	
	AM							Yes No	
	AN		-,					Yes No	
	AO							Yes No	
	AP							Yes No	
	1	τ	OTHER (Inc	luding Aut	hor, Title, Date, Pertir	nent Pages, etc.)			
JK	AR	107	Vetter, D., et al Acad. Sci. USA	., "Site-spo 80: 7284-	ecific recombination of 7288, National Acade	of yeast 2-μm DNA my of Sciences (19	in vitro," Pi 83)	roc. Natl.	
JK	AS	107	Voss, S.D., et al., "The Role of Enhancers in the Regulation of Cell-type-specific Transcriptional Control," Trends Biochem. Sci. 11:287-289, Elsevier Science (1986)						
JК	AT	107	Voziyanov, Y., et al., "A general model for site-specific recombination by the integrase family recombinases," Nucl. Acids Res. 27:930-941, Oxford University Press (1999)						
EXAMINER			/James	Ketter	/	DATE CO	ONSIDERED	07/14/2006	
EXAMINER: In	itial if refe	rence co	onsidered, whether or no	t citation is in	conformance with MPEP 609	Draw line through citati	on if not in confo	rmance and not	
considered. Inclu	ide copy of	this for	m with next communica	tion to Applic	ant.				

		Page 108 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLAS	S SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD		_							
	AE									
	AF									
	AG									
- · · · · · · · · · · · · · · · · · · ·	AH									
	ΑI									
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMEN	rs				
EXAMINER INITIAL	_	DO	CUMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATION Yes		
	AL							No Yes		
	AM							No		
	AN					_		Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	uding Auth	ior, Title, Date, Pertin	ent Pages, etc.)				
JK	AR	108	deletions and D	Wang, G., et al., "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates in vivo," Proc. Natl. Acad. Sci. USA 90:7874-7878, National Academy of Sciences (1993)						
JК	AS	108	Wasserman, S.A catenation and s	Wasserman, S.A., et al., "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature 334</i> :448-450, Nature Pub. Co. (1988)						
JK	AT	108	Waterhouse, P., making large pl Press (1993)	Waterhouse, P., et al., "Combinatorial infection and in vivo recombination: a strategy for making large phage antibody repertoires," Nucl. Acids Res. 21:2265-2266, Oxford University Press (1993)						
EXAMINER		L	/Jame	s Ketter	<u> </u>	DATE	CONSIDERED	07/14/2006		

	······································	Page 109 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS		,			
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	Al									
	AJ									
	AK									
			F	OREIGN P	ATENT DOCUMENTS	<u> </u>				
EXAMINER INITIAL	-	DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL	\perp		 				No Yes		
	AM	_						No Yes		
	AN			<u> </u>			-	No Yes		
	AO						-	No Yes		
	AP				The state of the s	· .	<u> </u>	No		
	<u>-</u> -	·	OTHER (Incl	luding Auth	or, Title, Date, Pertiner	it Pages, etc.)				
JК	AR	109	Weisberg, R.A., II, Hendrix, R.V. NY, pp. 211-25	V., <i>et al</i> ., ec	, A., "Site-specific Red ls., Cold Spring Harbor	combination in Pl r Laboratory Pres	hage Lambdes, Cold Sprin	a," in <i>Lambda</i> ng Harbor,		
JK	AS	109	Wierzbicki, A., Mol. Biol. 195:7	Wierzbicki, A., et al., "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," J. Mol. Biol. 195:785-794, Academic Press (1987)						
JK	AT	109	Wild, J., et al., 'large quantities 179:181-188, E	of 50- to 10	ost-range <i>in vivo</i> pop-o 00-kb genomic fragment ence (1996)	out and amplificat nts for direct DN	ion system f A sequencin	or generating g," Gene		
EXAMINER			/Jame	s Ketter	/	DATE CO	ONSIDERED	07/14/2006		

		Page 110 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	АН									
	AI		· · · · · ·							
	AJ									
	AK									
			F	OREIGN	PATENT DOCUMENTS	S				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes		
	AL							No Yes		
	AM							No Yes		
	AN							No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	nt Pages, etc.)				
JK	AR	110	FRT and oriV	Wild, J., et al., "Targeting and retrofitting pre-existing libraries of transposon insertions with FRT and oriV elements for in-vivo generation of large quantities of any genomic fragment," Gene 223:55-66, Elsevier Science (1998)						
JK	AS	110	Winoto, A., et a. J. Mol. Biol. 19	Winoto, A., et al., "Directional Control of Site-specific Recombination by Bacteriophage λ," J. Mol. Biol. 192:677-680, Academic Press (1986)						
JK	AT	110	Wittmann, H.G Annual Review		onents of Bacterial Ribo 82)	somes," Ann. Re	v. Biochem.	5/:155-183,		
EXAMINER				/Jame	es Ketter/	DATE C	ONSIDERED	07/14/2006		

		Page 111 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA			-					
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
		-	F	OREIGN I	PATENT DOCUMENT	'S		T	
EXAMINER INITIAL		DC	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes	
	AL						<u> </u>	No Yes	
	AM							No Yes	
	AN			ļ				No Yes	
	AO			ļ				No Yes	
	AP			<u></u>			<u> </u>	No	
			OTHER (Inc	luding Aut	hor, Title, Date, Pertine	ent Pages, etc.)			
JK	AR	1111	Wittmann, H.G. Annual Review	Wittmann, H.G., "Architecture of Prokaryotic Ribosomes," Ann. Rev. Biochem. 52:35-65, Annual Reviews, Inc. (1983)					
JK	AS	111	Yang, W., and I	Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," Structure 5:1401-1406, Cell Press (1997)					
JК	AT	111	Yanisch-Perron nucleotide sequ Science (1985)	, C., et al., ences of the	"Improved M13 phag ne M13mp18 and pUC	e cloning vectors 19 vectors," <i>Gene</i>	and host stra 2 33:103-119	ins: , Elsevier	
EXAMINER			<u></u>	/Ja	mes Ketter/	DATEC	ONSIDERED	07/14/2006	

		Page 112 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATI	ENT DOCUMENTS				
EXAMINER INITIAL		. DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG					<u> </u>			
-	АН								
	AI								
	AJ								
	AK								
			F	OREIGN P.	ATENT DOCUMENTS		<u> </u>	<u> </u>	
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
•	AL							Yes No	
*	AM							Yes No	
	AN							Yes No	
	AO	+-						Yes No	
	AP						<u> </u>	Yes	
	_1		OTHER (Incl	uding Autho	or, Title, Date, Pertinent Page	s. etc.)	<u> </u>	No.	
JК	AR	112	Yoon, Y.G., et a and their amplif	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Yoon, Y.G., et al., "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 µm plasmid-derived system," Gene 223:67-76, Elsevier Science (1998)					
JК	AS	112	Translation Initi	Yoon, H., et al., "SSL1, a Suppressor for a HIS4 5'-UTR Stem-loop Mutation, is Essential for Translation Initiation and Affects UV Resistance in Yeast," Genes Dev. 6:2463-2477, Cold Spring Harbor Laboratory Press (1992)					
JК	AT	112	York, D., et al., Tn5 intramolecu (1998)	"Simple an	d efficient generation in vitre sition," Nucl. Acids Res. 26:	o of nested 1927-1933,	deletions an Oxford Uni	d inversions: versity Press	
EXAMINER	1	1		James Ke	tter/	DATE CC	NSIDERED	07/14/2006	

		Page 113 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG										
	AH		-								
	AI										
	AJ										
·	AK										
		'	F	OREIGN I	PATENT DOCUMENTS	3					
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
			OTHER (Incl	uding Autl	hor, Title, Date, Pertinen	t Pages, etc.)					
JК	AR	113	Zahra, D.G., et a Improved Phage	Zahra, D.G., et al., "Selectable in-vivo Recombination to Increase Antibody Library Size-an Improved Phage Display Vector System," Gene 227:49-54, Elsevier Science (1994)							
JK	AS	113	recombination i	Zechiedrich, E.L., et al., "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in Escherichia coli," Genes Dev. 11:2580-2592, Cold Spring Harbor Laboratory Press (1997)							
JK	AT	113	Zhang, Y., et al coli," Nat. Gene	Zhang, Y., et al., "A new logic for DNA engineering using recombination in Escherichia coli," Nat. Genet. 20:123-128, Nature Pub. Co. (1998)							
EXAMINER		<u> </u>	/:	James Ke	tter/	DATE CO	ONSIDERED	07/14/2006			

		Page 114 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS					
EXAMINER INITIAL		DOG	CUMENT NUMBER	DATE	NAME	CLAS	S SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AĢ									
	AH									
	AI									
	AJ		<u> </u>							
	AK									
			F	OREIGN F	PATENT DOCUMEN	TS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLA	SS SUB-CLASS	TRANSLATION Yes		
	AL							No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Autl	nor, Title, Date, Pertin	ent Pages, etc.)				
JК	AR	114	recombinase," J	Chu, X.D., et al., "Homology requirements for ligation and strand exchange by the FLP ecombinase," J. Biol. Chem. 270:11646-11653, American Society for Biochemistry and Molecular Biology (1995)						
JK	AS	114	U.S. Patent App (NOT PUBLIS)	U.S. Patent Application No. 09/438,358, Gerard et al., filed November 12, 1999 (NOT PUBLISHED)						
JК	AT .	114	U.S. Patent App (NOT PUBLIS	olication N HED)	o. 09/517,466, Hartle	y et al., filed Ma	arch 2, 2000			
EXAMINER			1	/James K	Cetter/	DATE	CONSIDERED	07/14/2006		

		Page 115 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM BTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

U.S. PATENT DOCUMENTS EXAMINER NAME CLASS SUB-CLASS FILING DATE INITIAL DOCUMENT NUMBER DATE AA AB AC AD ΑE AF AGΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER SUB-CLASS TRANSLATION CLASS COUNTRY DOCUMENT NUMBER DATE INITIAL Yes ΑL No Yes AM No Yes AN No Yes ΑO No Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) U.S. Patent Application No. 09/695,065, Brasch et al., filed October 25, 2000 JK 115 AR (NOT PUBLISHED) U.S. Patent Application No. 09/984,239, Brasch et al., filed October 29, 2001 JK AS <u>115</u> (NOT PUBLISHED) U.S. Patent Application No. 10/633,690, Byrd et al., filed August 5, 2003 JK ΑT 115 (NOT PUBLISHED) DATE CONSIDERED 07/14/2006 **EXAMINER** /James Ketter/

		Page 116 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME	c	LASS	SUB-CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	ĄĢ									
	AH									
	AI									
	AJ									
-	AK									
EVALUNED		_ _	F	OREIGN PA	ATENT DOCUMENT	S		1		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes	
	AL								No Yes	
	AM								No Yes	
٠.	AN.								No	
	AO								Yes No	
	AP								Yes No	
	1		OTHER (Inc	luding Autho	or, Title, Date, Pertine	nt Pages, etc	c.)			
JК	AR	116	U.S. Patent App (NOT PUBLIS)	olication No.	. 10/877,952, Welch &	et al., filed l	July 28	, 2004		
JK	AS	116		J.S. Patent Application No. 10/913,501, Chesnut et al., filed August 9, 2004 NOT PUBLISHED)						
JK	AT	116		U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 (NOT PUBLISHED)						
EXAMINER		1	1	James Ket	ter/	D	ATE CC	NSIDERED	07/14/2006	
EVAMINED: I	nitial if rafe	rence co	onsidered whether or no	t citation is in co	onformance with MPEP 609.	Draw line throu	gh citatio	on if not in confo	ormance and not	

		Page 117 of 121
	ATTY. DOCKET NO. 0942.5340005/BJD/JKM	APPLICATION NO.
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	APPLICANTS Chesnut et al.	
	0942.5340005/BJD/JKM 10/792,035 APPLICANTS	

				U.S. PATE	NT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE				~-				
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
			F	OREIGN PA	TENT DOCUMENTS		•		
EXAMINER INITIAL		DC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
,	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
			OTHER (Incl	uding Autho	r, Title, Date, Pertinent Page	s, etc.)			
JK	AR	117		U.S. Patent Application No. 11/000,371, Chesnut <i>et al.</i> , filed December 1, 2004 (NOT PUBLISHED)					
JK	AS	117	Dialog File 351 PCT Patent No.	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 98/53056 (Document AL7), WPI Accession No. 12194396					
JK	AT	117	Dialog File 351 PCT Patent No.	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 99/25851 (Document AO7), WPI Accession No. 12541379					
EXAMINER				/James K	Getter/	DATE CO	NSIDERED	07/14/200	

		Page 118 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO 1440	0942.5340005/BJD/JKM	10/792,035
FORM PTO-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS			,
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB						_	
	AC							
	AD							
	AE							
	AF	_	<u>,,</u>					
	AG	+-						
	AH	+						
	AI	+						
	AJ							
	AK	-		!				· · · · ·
	AK	L_	F	OREIGN I	PATENT DOCUMENT	rs		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS	
	AL				·			Yes No
	AM							Yes No
	AN							Yes No
	AO	_		 				Yes No
	AP	_						Yes No
			OTHER (Inc	luding Aut	hor, Title, Date, Pertin	ent Pages, etc.)		
JK	AR	118	Argos, P., et al. global diversity	, "The inte ," <i>EMBO</i> J	grase family of site-sp 5:433-440, IRL Pres	pecific recombinates Ltd. (1986)	ses: regional	similarities and
JK AS Invitrogen Online Catalog, "The Echo TM Cloning System: The Future of available at: http://invitrogen.com/content.cfm?pageid=3371&cfid=16767784&cftol (accessed July 7, 2004)								
	AT	118	Office Action f	or U.S. Par	ent Application No. 0	99/907,719, maik	.d on July 13,	2004
EXAMINER		1_		James Ke	etter/	DATE	CONSIDERED	07/14/2006
			, , , , , , , , , , , , , , , , , , ,					

		Page 119 of 121
	ATTY. DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/BJD/JKM	10/792,035
FORM P10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PATE	NT DOCUMENTS			
EXAMINER INITIAL		DOC	UMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB						•	
	AC							
	AD							
····	AE							
	AF							
	AG							
	AH							
	Al							
	AJ	_						
	AK	-						
			F	OREIGN PA	TENT DOCUMENTS			
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL						<u> </u>	No Yes
	AM							No Yes
	AN							No
	AO							Yes No
	AP							Yes No
			OTHER (Inc	luding Autho	r, Title, Date, Pertinent Page	s, etc.)		
	AR	119	Office Action for	or U.S. Pater	nt Application No. 09/432,00	35, mailed	on July 16, :	2004
	AS	119	Office Action f	or U.S. Pater	nt Application No. 19/058,2)1, mailed	on Septemb	er 22, 2004
	AT	119	Office Action f	or U.S. Pater	nt Application No. 10/058,2			
EXAMINER			/Jam	es Ketter	/	DATE C	ONSIDERED	07/14/2006
L					C	Abrewah aitat	on if not in confi	ormance and not

		Page 120 of 121
	ATTY, DOCKET NO.	APPLICATION NO.
FORM PTO-1449	0942.5340005/ВЈД/ЈКМ	10/792,035
FORM F10-1449	APPLICANTS	
INFORMATION DISCLOSURE STATEMENT	Chesnut et al.	
	FILING DATE	ART UNIT
	March 4, 2004	1636

				U.S. PAT	ENT DOCUMENTS		· · · · ·		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG						<u> </u>		
	АН								
	Al								
	AJ								
	AK								
EXAMINER	1		F	OREIGN P	PATENT DOCUME	NTS	1		<u> </u>
INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	-	CLASS	SUB-CLASS	TRANSLATION Yes
	AL								No
	AM								Yes No
	AN								Yes No
	AO								Yes No
	AP								Yes No
			OTHER (Inc	luding Auth	ior, Title, Date, Pert	inent Pages,	etc.)		
	AR	120	Office Action 6	or U.S. Pat	ent Application No.	09/855,797	, mailed	en October	1 , 2004
	AS	120	Office Action f	or U.S. Pat	ent Application No.	-09/695,065	, mailed	on October í	27, 2004
	AT	120	Office Action f	or U.S. Pat	ent Application No.	. 10/820,133	-mailed-(on Novembe	r 17, 300 4
EXAMINER	1	<u> </u>	/James	Ketter/	,		DATE CO	ONSIDERED	07/14/2006

					T			Page 121 of 121	
					ATTY. DOCKET NO. APPLICATION NO. 10/792,035 APPLICANTS				
	F	ORM P	TO-1449						
INFORI	MATION	Disci	OSURE STATEME	:NT	Chesnut et al.				
<u>III OII</u>		<i>D1001</i>	COSORE OTATOM	214.1	FILING DATE	ART	Unit		
					March 4, 2004	1636			
EXAMINER	 _	Т-		U.S. PAT	ENT DOCUMENTS		γ		
INITIAL		DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB			1					
	AC								
	AD								
	AE					1			
	AF								
	AG								
	АН								
16	AI								
	AJ		···································						
	AK								
			F	OREIGN I	PATENT DOCUMENTS				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
		+-						Yes	
	AM							No Yes	
	AN							No	
	AO							Yes No	
	AP			 		 		Yes	
	I AF		OTHER (I-	luding Auti	hor, Title, Date, Pertinent Pages	etc.)	<u></u>	No	
	1		OTHER (Inc	luding Auti	nor, Title, Date, Fertinent Fages,	cic.j			
	AR	<u>121</u>	Office Action f	or U.S. Pat	ent Application No. 09/907,719	mailed (on December	- 28, 2004	
	AS	121	Office Action f	or U.S. Pat	ent Application No. 89/432,085	, mailed	on Decembe	-r 28, 2004	
	AT	<u>121</u>	Office Action f	or U.S. Pat	ent Application No. 19/796,860			•	
EXAMINER			/James	Ketter/		DATE CO	ONSIDERED	07/14/2006	
EXAMINER: In	itial if refer	ence co	nsidered, whether or no	t citation is in	conformance with MPEP 609. Draw line to	hrough citati	on if not in confo	rmance and not	
considered. Inclu	de copy of	this for	n with next communica	tion to Applica	int.				

FORM PTO-1449 FIRST SUPPLEMENTAL

Page 1 of 15 ATTY. DOCKET NO. APPLICATION NO. 0942.5340005/BJD/JKM 10/792,035 **APPLICANTS** Chesnut et al. FILING DATE **ART UNIT**

1636

INFORMATION DISCLOSURE STATEMENT March 4, 2004 **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOC	UMENT NUMBER	DATE	NAME	CL	ASS	SUB-CI	_ASS_	FILING DATE
JK	AA20	5,45	1,513	09/19/1995	Maliga et al.					08/25/1993
	AB20	5,96	55,408	10/12/1999	Short	1	 			07/09/1996
	AC20	6,04	10,138	03/21/2000	Lockhart et al.					09/15/1995
	AD20	6,17	71,820	01/09/2001	Short					02/04/1999
	AE20	6,23	38,884	05/29/2001	Short et al.					03/09/1999
	AF20	6,30)3,301	10/16/2001	Mack					05/29/1998
	AG20	6,30	9,822	10/30/2001	Fodor et al.					12/23/1996
_	AH20	6,33	33,155	12/25/2001	Lockhart et al.					12/18/1998
	A120	6,35	52,842	03/05/2002	Short et al.					03/26/1999
	AJ20	6,35	58,709	03/19/2002	Short et al.					03/09/2000
	AK20	6,30	61,974	03/26/2002	Short et al.					03/27/2000
			F	OREIGN PA	TENT DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	COUNTRY	CI	ASS	SUB-C	LASS	TRANSLATION
JK	AL20		2 670 502	06/19/1992	France					Yes X No
	AM20	wo	92/10577	06/25/1992	WIPO					Yes X No
	AN20	wo	94/20604	09/15/1994	WIPO					Yes No
	AO20	wo	0 00/29000	05/25/2000	WIPO					Yes No
	AP20	wo	0 00/52027	09/08/2000	WIPO				1	Yes No
			OTHER (Inc	luding Author	, Title, Date, Pertinent Page	s, etc.)				
JK	AR	200	Agah, R., et al.,	"Gene Recorrovokes Card "J. Clin. Inv	mbination in Postmitotic Ce iac-restricted, Site-specific test. 100:169-179, The Ame	lls. T Rearr	arget ange	ment ir	n Adu	it Ventricular
JK	AS	200	Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter region," Nature 290:304-310, Macmillan Journals, Ltd. (1981)							y promoter
JK	АТ	200	Botstein, D., et al., "Making Mutations In Vitro and Putting Them Back Into Yeast," in Frogene to Protein: Translation into Biotechnology, Ahmad, F., et al., eds., Academic Press, New York, NY, pp. 265-274 (1982)							east," in <i>Fron</i> emic Press,
EXAMINER		· -	/J	ames Kette	er/	DA	TE C	ONSIDE	RED	07/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. 365542_1.DOC

Page 2 of 15 APPLICATION NO. ATTY, DOCKET NO. 10/792,035 0942.5340005/BJD/JKM FORM PTO-1449 APPLICANTS Chesnut et al. FIRST SUPPLEMENTAL FILING DATE ART UNIT INFORMATION DISCLOSURE STATEMENT March 4, 2004 1636 **U.S. PATENT DOCUMENTS EXAMINER** FILING DATE SUB-CLASS NAME CLASS **DOCUMENT NUMBER** DATE INITIAL JK 05/15/2000 6,455,254 09/24/2002 Short AA21 05/24/2001 Beach et al. 2002/0162126 10/31/2002 AB21 01/31/2000 11/12/2002 Short AC21 6,479,258 10/31/1997 12/03/2002 Short AD21 6,489,145 06/14/1999 Short 03/25/2003 6,537,776 AE21 09/18/2000 04/08/2003 Sabatini AF21 6,544,790 09/26/2002 Zhu et al. 2003/0135888 07/17/2003 AG21 06/14/2000 Short 6,605,449 08/12/2003 AH21 12/26/2002 2003/0175772 09/18/2003 Wang AI21 11/15/2000 Short 6,632,600 10/14/2003 AJ21 03/01/2002 6,709,841 03/23/2004 Short AK21 FOREIGN PATENT DOCUMENTS **EXAMINER** SUB-CLASS TRANSLATION CLASS DOCUMENT NUMBER DATE COUNTRY INITIAL JK WO 00/52141 WIPO AL21 09/08/2000 No Yes 04/12/2001 **WIPO** WO 01/25466 AM21 No Yes 06/14/2001 WIPO WO 01/42509 AN21 No Yes 09/20/2001 **WIPO** WO 01/68836 AO21 No Yes 06/13/2002 **WIPO** WO 02/46372 AP21 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Broach, J.R., "The Yeast Plasmid 2µ Circle," Cell 28:203-204, MIT (1982) JK 201 AR Cenatiempo, Y., "Prokaryotic gene expression in vitro: transcription-translation coupled JK AS 201 systems," Biochimie 68:505-515, Elsevier (1986) Christiansen, B., et al., "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," J. Bacteriol. 178:5164-JK 201 ΑT 5173, American Society for Microbiology (September 1996) DATE CONSIDERED 07/14/2006 **EXAMINER** /James Ketter/

										Page 3 of 15
					ATTY. DOCKET NO.	1		CATION	۷No.	
	FC	ORM PT	O-1449		0942.5340005/BJD/JKM APPLICANTS		10//5	2,035		
	FIRST	SUPPL	EMENTAL		Chesnut et al.					
<u>Infor</u> i			OSURE STATEME	NT	FILING DATE		ART			
				U.S. PATI	March 4, 2004 ENT DOCUMENTS		1636			
EXAMINER	1	1000			NAME		ASS	SUB-C	1 466	FILING DATE
INITIAL JK	1 4 22		UMENT NUMBER	DATE 03/30/200		- CL	<u> </u>	SUB-C	LASS	02/04/2000
	AA22	- 	3,279			-	-			
	AB22		3,282	03/30/200		_				03/14/2002
	AC22	6,74	0,506	05/25/200	Short et al.	_	<u> </u>		 	06/19/2001
	AD22	6,77	73,900	08/10/200	Short et al.	_			<u> </u>	03/05/2003
	AE									
	AF									
	AG							<u> </u>		
	AH									
	AI							<u> </u>		
	AJ				·					
	AK									
			I	OREIGN F	PATENT DOCUMENTS					
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	COUNTRY	CI	LASS	SUB-	CLASS	TRANSLATION
JK	AL22	wo	02/062957	08/15/20	02 WIPO					Ye N
	AM22	wo	0 02/086144	10/31/20	02 WIPO					Ye N
	AN22	wo	0 02/095055	11/28/20	02 WIPO					Ye N
	AO22	wo	03/044207	05/30/20	03 WIPO					Ye N
	AP22	w	0 04/009768	01/29/20	04 WIPO					Ye N
			OTHER (Inc	luding Autl	hor, Title, Date, Pertinent Page	s, etc.				
JК	AR	202	Recombinase T	npX Is Fur Circular Fo	I., "The Resolvase/Invertase Enctional and Recognizes a Tar form of the Clostridium perfring, American Society for Microl	get Se i <i>gens</i> '	quer Tran:	ice Th sposor	at Res 1 Tn44	embles the
JK	AS	202	Ferrin, L.J. and protein," <i>Proc.</i> 1998)	Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA 95</i> :2152-2157, National Academy of Sciences (March 1998)						
JK	AT	202	Golic, K.G. and Golic, M.M., "Engineering the Drosophilia Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of Americ (1996)							some f America
EXAMINER			/Jam	es Kette	r/	DA	TE C	ONSID	ERED	07/14/200
						Ļ				

								Page 4 of 15
				1	TTY. DOCKET NO. 942.5340005/BJD/JKM		CATION NO. 02,035	
	FO	RM PT	O-1449	Α	PPLICANTS			
			EMENTAL	<u> </u>	Chesnut et al.	ART	Taur	
INFORM	ATION I	DISCL	OSURE STATEME	141	ILING DATE Narch 4, 2004	1636		
					T DOCUMENTS			
EXAMINER INITIAL		DOC	UMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	-	•					
	AB							
	AC	1						
	AD							
	AE							
	AF							
	AG							
	АН						ļ	
	AI							ļ
	AJ							
	AK							
EXAMINER			<u>F</u>	OREIGN PA	TENT DOCUMENTS	-		
INITIAL		DOC	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
JK	AL23	wo	0 04/013290	02/12/2004	WIPO		 _	No Yes
	AM							No
	AN							Yes No
	AO	1						Yes No
	AP							Ye:
			OTHER (Inc	luding Autho	r, Title, Date, Pertinent Pag	es, etc.)		
JK	AR	<u>203</u>	Gottesman, S., 18:415-441, Ar	"Bacterial Re nual Review	egulation: Global Regulator s, Inc. (1984)	y Network	s," Ann. Rev	v. Genet.
JK	AS	203	Guo, F., et al., recombination	"Structure of synapse," <i>Na</i>	Cre recombinase complexe sture 389:40-46, Nature Pub	ed with DN olishing Gr	IA in a site-soup (Septen	specific aber 1997)
JK	AT	203	cut-and-paste n	nechanisms t	, "Transposition and site-spot a variety of genetic rearrage B.V. (September 1997)	ecific reco	mbination: a	adapting DNA crobiol. Rev.
•	1	l				- LD 4 TE C	OVICIDEDED	
EXAMINER				/James K	etter/ nformance with MPEP 609. Draw lin		ONSIDERED	0//14/200

									Page 5 of 15		
		OD14 55	TO 1440		ATTY. DOCKET NO. 0942.5340005/BJD/JK	M		CATION NO. 2,035			
	۲	ORM P	ГО-1449		APPLICANTS						
	FIRST	SUPP	LEMENTAL		Chesnut et al.						
Infor	MATION	DISCL	OSURE STATEME	NT	FILING DATE March 4, 2004		ART (1636				
				U.S. PAT	ENT DOCUMENTS						
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME	c	LASS	SUB-CLASS	FILING DATE		
	AA										
	AB										
	AC										
	AD										
	AE							:			
	AF										
	AG										
	AH										
	AI										
	AJ										
	AK										
	l		F	OREIGN	PATENT DOCUMENTS	3					
EXAMINER		100	CUMENT NUMBER	DATE	COUNTRY	1.	CLASS	SUB-CLASS	TRANSLATION		
INITIAL	AL		COMENT NOMBER	DAIL	COOME				Yes No		
	AM								Yes No		
	AN						-		Yes No		
	AO	_							Yes No		
	AP								Yes		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinen	t Pages, etc	c.)	<u> </u>			
JK	AR	204	Hamer, D.H. an	d Walling	, M., "Regulation <i>In Viv</i> of a Mouse Metallothic	o of a Cloi	ned Ma	ammalian G 40 Vectors,"	ene: Cadmium J. Mol. Appl.		
JК	AS	204	domain structur	Hanks, S.K. and Hunter, T., "The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification," <i>FASEB J. 9</i> :576-596, The Federation of American Societies for Experimental Biology (May 1995)							
JK	AT	204	into a Bacterial	Chromoso	venient and Reversible Some by Use of the FLP I	Recombina	ise: the	FLIRT Sys	stem," <i>J</i> .)		
EXAMINER		_1	<u> </u>	-	s Ketter/			ONSIDERED	07/14/2006		
EXAMINER:	Initial if refe	rence co	onsidered, whether or no	ot citation is in	conformance with MPEP 609. I	Draw line throu	igh citati	on if not in confo	ormance and not		
considered. Inc	lude copy of	this for	m with next communication	tion to Applic	สมเ						

	FC	ORM P	ГО-1449		ATTY. DOCKET NO. APPLICATION NO. 10/792,035 APPLICANTS					
	FIRST	SUPP	LEMENTAL		Chesnut et al.					
INFORM	MATION	DISCL	OSURE STATEME	NT	FILING DATE March 4, 2004	ART 1 1636				
		*		U.S. PAT	ENT DOCUMENTS	12000				
EXAMINER INITIAL		DOC	UMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
······································	AE									
	AF									
	AG	+								
	AH									
	Al	\dagger								
<u>.</u>	AJ									
	AK	-		-						
			F	OREIGN	PATENT DOCUMENTS		<u> </u>			
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL				•			Yes No		
	AM							Yes No		
	AN					- 10		Yes No		
	AO							Yes No		
<u> </u>	AP	+						Yes No		
		<u> </u>	OTHER (Inc	luding Au	thor, Title, Date, Pertinent Page	s, etc.)				
JK	AR	<u>205</u>	Negative Bacil	i: Experie	J.A., "Plasmids as Epidemiolonce at a University and Review Chicago (1986)	ogic Marke of the Li	ers in Nosoce terature," Re	omial Gram- ev. Infect. Dis.		
JK	AS	205	its dosage effect	Johnston, S.A. and Hopper, J.E., "Isolation of the yeast regulatory gene <i>GAL4</i> and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982)						
JK	AT	205	a kil-kor Syster	Kendall, K.J. and Cohen, S.N., "Plasmid Transfer in Streptomyces lividans: Identification of a kil-kor System Associated with the Transfer Region of pIJ101," J. Bacteriol. 169:4177-4183, American Society for Microbiology (1987)						
EXAMINER		1	/J:	ames Ket	ter/	DATE C	ONSIDERED	07/14/2006		
EXAMINER: I	nitial if refe	rence co		ot citation is in	conformance with MPEP 609. Draw line	through citat	tion if not in conf	ormance and not		

								Page 7 of 15			
					ATTY. DOCKET NO.		ICATION NO.				
	F	ORM P	TO-1449		0942.5340005/BJD/JKM APPLICANTS	110//	92,035				
	Finer	r St 100	LEMENTAL		Chesnut et al.						
INFOR			<u>LEMENTAL</u> LOSURE STATEME	ENT	FILING DATE	ART					
<u> </u>					March 4, 2004	1636	<u> </u>				
EXAMINER				U.S. PA	TENT DOCUMENTS	γ	r	1			
INITIAL		DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
	AD										
	AE										
	AF										
	AG						<u> </u>				
	АН										
	Al										
	AJ							ļ			
	AK					_					
EXAMINER	·		F	OREIGN	PATENT DOCUMENTS	1	T				
INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes			
	AL							No			
	AM							Yes No			
	AN					_		Yes			
	AO							Yes No			
	AP			 				Yes			
		l	OTHER (Inc	luding Av	thor, Title, Date, Pertinent Pages,	etc.)					
JK	AR	206	Lyznik, L.A., e	<i>t al.</i> , "Act	tivity of yeast FLP recombinase i 9-975, Oxford University Press (n maize	and rice prot	toplasts,"			
JK	AS	206	Biology: A Con	Maniatis, T., "Recombinant DNA Procedures in the Study of Eukaryotic Genes," in Cell Biology: A Comprehensive Treatise, Volume 3, Gene Expression: The Production of RNA's, Goldstein, L., and Prescott, D.M., eds., Academic Press, Inc., New York, NY, pp. 563-608 (1980)							
JK	AT	206	Mayer, B.J. and Biol. 3:8-13, El	d Baltimo Isevier Sc	re, D., "Signalling through SH2 aience (1993)	and SH3	domains," 7	rends Cell			
EXAMINER	1		/Jame	s Kette	er/	DATE C	ONSIDERED	07/14/2006			
EXAMINER:	Initial if refe	erence co			•	hrough citat	ion if not in conf	ormance and not			
EXAMINER: considered. Inc	Initial if refe	rence co	onsidered, whether or no m with next communica	ot citation is i	n conformance with MPEP 609. Draw line ticant.	hrough citat	ion if not in conf	ormance and not			

	FC	DM DT			ATTY. DOCKET NO.						
	FC	DM DT		1 1							
FORM PTO-1449					0942.5340005/BJD/JKM Applicants	[10/75	12,033				
	Finer	Ci mni	LEMENTAL	l i	Chesnut et al.						
INFORM			<u>cemental</u> Osure Statemi	<u> </u>	FILING DATE	ART	JNIT				
IN ORM	AHON	<u> </u>	OSOKE STATEMI		March 4, 2004	1636					
				U.S. PATE	NT DOCUMENTS		,				
EXAMINER INITIAL		DOC	UMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
_	AD										
	AE										
	AF										
	AG										
	AH										
	ΑI										
	ΑJ										
	AK										
				OREIGN PA	ATENT DOCUMENTS						
EXAMINER INITIAL		DOG	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	ļ	+		-				Yes			
	AM						 	Yes			
	AN							No			
	AO							Ye:			
	AP	+						Yes			
			OTHER (Inc	luding Auth	or, Title, Date, Pertinent Pag	es, etc.)					
JK	AR	207	McKnight, S.L	"Functions	al Relationships between Tra Herpes Simplex Virus," Ced	anscription	al Control Si 65, MIT (19	ignals of the 82)			
JK	AS	<u>207</u>	Nunes-Düby, S University Pres	unes-Düby, S.E., et al., "λ Integrase cleaves DNA in cis," EMBO J. 13:4421-4430, Oxford niversity Press (1994)							
JK	AT	207	Odell, J., et al. Gen. Genet. 22	, "Site-direct 3:369-378,	ted recombination in the gen Springer-Verlag (1990)	ome of trai	nsgenic toba				
	I	L	/Jame	s Ketter		DATE C	ONSIDERED	07/14/200			
EXAMINER			,	•							

								Page 9 of 15		
					ATTY. DOCKET NO.	1	CATION NO.			
	F	ORM PT	rO-1449		0942.5340005/ВЈД/ЈКМ	10/79	92,035			
	Finer	Crippi	<u>LEMENTAL</u>		APPLICANTS Chesnut et al.					
INFOR			<u>.osure Stateme</u>	NT	FILING DATE		ART UNIT			
4					March 4, 2004	1636				
EXAMINER	7			U.S. PAT	TENT DOCUMENTS			T		
INITIAL		DOC	UMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC			i						
	AD									
	AE									
	AF .									
	AG									
	AH									
	AI									
	AJ									
	AK									
			F	OREIGN	PATENT DOCUMENTS			1		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM	+						Yes No		
	AN							Yes No		
	AO	\dashv						Yes		
	+	-		 			 	Yes		
	AP		OTHER (Inc	luding Au	thor, Title, Date, Pertinent Pa	ages, etc.)	<u> </u>	No		
JК	AR	208	Peterson, B.Ø.	and Shuma somerase : 1-3896, Tl	an, S., "Hisitidine 265 Is Impand Is Conserved in All Eukhe American Society for Bio	portant for C	: I Enzymes,	" J. Biol.		
JK	AS	208	Rausch, H. and Nucleic Acids I	Lehmann Res. 19:51	, M., "Structural analysis of 87-5189, IRL Press (1991)	the actinoph	аде ФС31 а	ttachment site,"		
JK	AT	208	Tyrosine Kinas	es Modifi P130 ^{gag-fps}	oncatalytic Domain Conserves the Kinase Function and '," Mol. Cell. Biol. 6:4396-4	Fransforming 408, Americ	an Society f	or		
EXAMINER		<u> </u>	•	nes Kett	· .		ONSIDERED	07/14/2006		
EXAMINER:	Initial if refe	rence co	onsidered, whether or no m with next communica	ot citation is in	conformance with MPEP 609. Draw	line through citat	ion if not in con	formance and not		
considered. Int	copy of	101								

									Page 10 of 15	
					ATTY. DOCKET NO. 0942.5340005/BJD/JK	M		CATION NO. 2,035		
	F	ORM P	TO-1449		APPLICANTS	_·				
	FIRST	SUPP	LEMENTAL		Chesnut et al.					
Inform			OSURE STATEME	NT	FILING DATE		ARTU	JNIT		
					March 4, 2004		1636			
EXAMINER	г	· · · · · ·		U.S. PAT	ENT DOCUMENTS					
INITIAL		DOC	CUMENT NUMBER	DATE	NAME	c	LASS	SUB-CLASS	FILING DATE	
	AA	<u> </u>								
	AB	<u> </u>								
	AC	_								
	AD					-				
	AE									
	AF									
	AG	_								
	AH									
	Al									
	AJ									
	AK									
			F	OREIGN I	PATENT DOCUMENTS			,	1	
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION Yes	
	AL							<u> </u>	No Yes	
	AM								No	
	AN								Yes No	
	AO								Yes No	
	AP								Yes No	
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinen	t Pages, etc	.)			
JK	AR	<u>209</u>	Genome by the	Cre Recor	N., "Targeted Insertion on the binase," <i>New Biol. 2:44</i> ers Company (1990)	of Exogeno 41-449, Sa	ous Di unders	NA into the Scientific	Eukaryotic	
JK	AS	<u>209</u>	Senecoff, J.F., oits recombination Sciences (1985)	off, J.F., et al., "The FLP recombinase of the yeast 2-µm plasmid: Characterization of ombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of es (1985)						
JK	АТ	209	Shaikh, A.C. ar Biol. Chem. 27. Inc. (February	2:5695-570	ki, P.D., "The Cre Recor 02, The American Societ	ty for Bioc	hemis	try and Mol	ecular Biology,	
EXAMINER			· · · · · · · · · · · · · · · · · · ·	mes Ket	•			ONSIDERED	07/14/2006	
EXAMINER: In	itial if refe	this for	onsidered, whether or no m with next communica	et citation is in	conformance with MPEP 609. D	raw line throu	gh citati	on if not in confo	ormance and not	
20									-	

					T			Page 11 of 15			
					ATTY. DOCKET NO.		ICATION NO.				
	F	FORM P	PTO-1449		0942.5340005/BJD/JKM APPLICANTS	10//	92,035				
	First	r Supp	PLEMENTAL		Chesnut et al.						
Infor			LOSURE STATEME	<u>ENT</u>	FILING DATE	ART					
				TIC DAT	March 4, 2004 ENT DOCUMENTS	1636)				
EXAMINER	1	1				1					
INITIAL	 	DO	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA	4_									
	AB		· · · · ·	<u> </u>		-					
	AC										
	AD	_									
	AE					-					
	AF										
	AG					ļ					
	AH										
	AI										
	AJ										
	AK										
		_ '	F	OREIGN	PATENT DOCUMENTS		1				
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM			1				Yes No			
	AN							Yes No			
	AO			 			 	Yes			
	AP						+	No Yes			
	AP		OTHER (Inc	luding Aut	hor, Title, Date, Pertinent Pages	etc.)	1	No			
	Τ	T	OTHER (INC.	ading Aut	not, Tine, Date, I el dilent I ages						
JK	AR	210	Chromosome of	f Streptomy	ecific Integration of the Actinopyces parvulus upon Lysogenizarobiology (1991)	phage R4 tion," <i>J. 1</i>	Genome int Bacteriol. 17	o the 3:4237-4239,			
JK	AS	210	Escherichia col	i," J. Biol.	., "Characterization of Vaccinia Virus DNA Topoisomerase I Expressed in "J. Biol. Chem. 263:16401-16407, The American Society for Biochemistry tology, Inc. (1988)						
JK	АТ	210	Minimal DNA	Substrate f	Interaction of Vaccinia Virus of Strand Cleavage In Vitro," John Chemistry and Molecular Biological Control of the March 1981 of the March	. Biol. Ch	em. 266:113	Duplex DNA. 372-11379, The			
EXAMINER			/Jam	es Kette	er/	DATE CO	ONSIDERED	07/14/2006			
					conformance with MPEP 609. Draw line t	hrough citati	on if not in confo	rmance and not			
			m with next communica								

								Page 12 of 15		
					ATTY. DOCKET NO. 0942.5340005/BJD/JKN		ICATION NO. 92,035			
	F	ORM PT	ГО-1449		APPLICANTS	1.41,	22,000			
	FIRST	SUPP	LEMENTAL		Chesnut et al.					
Infort	MOITAN	DISCL	OSURE STATEME	NT	FILING DATE March 4, 2004	ART 1636	Unit S			
				U.S. PAT	ENT DOCUMENTS	1.03				
EXAMINER INITIAL		DOC	UMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
-	AB									
, <u>, , , , , , , , , , , , , , , , , , </u>	AC									
	AD									
	AE									
	AF									
	AG		· · · · · · · · · · · · · · · · · · ·							
	АН									
	AI									
	AJ									
	AK	1								
			F	OREIGN I	PATENT DOCUMENTS					
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM	1						Yes No		
	AN							Yes No		
	AO							Yes No		
	AP	 						Yes No		
			OTHER (Inc	luding Aut	hor, Title, Date, Pertinent	Pages, etc.)				
JK	AR	<u>211</u>	Duplex DNA. N	Minimal D	e-specific Interaction of V NA Substrate for Strand C nerican Society for Bioch	Cleavage In Vii	tro," J. Biol.	Chem.		
JK	AS	211	Silver, P.A., et localization," F	al., "Amin Proc. Natl.	mino terminus of the yeast <i>GAL4</i> gene product is sufficient for nuclear atl. Acad. Sci. USA 81:5951-5955, National Academy of Sciences					
JK	AT	211	Stark, W.M., et Elsevier Science	al., "Catale (1992)	lysis by site-specific reco	mbinases," Tre	ends Genet. 8	?:432-439,		
EXAMINER	1	<u> </u>	/James	Ketter/		DATE	ONSIDERED	07/14/2006		
EXAMINER: In	nitial if refe	rence co	nsidered, whether or no	ot citation is in	conformance with MPEP 609. Dr	aw line through cita	tion if not in conf	ormance and not		
considered. Inch	de copy of	this for	m with next communication	tion to Applica	ant.					

								Page 13 of 15		
					ATTY. DOCKET NO. APPLICATION NO. 10/792,035					
	F	ORM P	ГО-1449		APPLICANTS	110/	172,033			
	FIRST	SUPP	LEMENTAL		Chesnut et al.					
INFOR	<u>MATION</u>	DISCL	OSURE STATEME	ENT	FILING DATE March 4, 2004	AR 163	r Unit 16			
				U.S. PAT	TENT DOCUMENTS	110.				
EXAMINER INITIAL		DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF		<u> </u>							
* *	AG									
	AH									
	AI									
	AJ									
	AK									
			F	OREIGN	PATENT DOCUMENTS			1		
EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLAS	S SUB-CLASS	TRANSLATION		
	AL							No Yes		
	AM							No		
	AN							Yes No		
	AO							Yes No		
	AP							Yes No		
			OTHER (Inc	luding Au	thor, Title, Date, Pertinen	t Pages, etc.)				
JK	AR	212	Ulmanen, I., et the Aid of a Se Microbiology (cretion Ve	scription and Translation ctor," <i>J. Bacteriol. 162</i> :1	of Foreign Ge 76-182, Amer	nes in <i>Bacillu</i> ican Society fo	s subtilis by		
JК	AS	212	van Deursen, J. mouse chromos Sciences (1995	n, J., et al., "Cre-mediated site-specific translocation between nonhomologous mosomes," Proc. Natl. Acad. Sci. USA 92:7376-7380, National Academy of 1995)						
JK	AT	212	probe plasmid	Ward, J.M., et al., "Construction and characterisation of a series of multi-copy promoter- probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986)						
EXAMINER		Т	/James	Ketter	/	DATE	CONSIDERED	07/14/2006		

NITIAL									Page 14 of 15
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT U.S. PATENT DOCUMENTS V.S. PATENT DOCUMENTS EXAMINER NITITAL V.S. POREIGN PATENT DOCUMENTS EXAMINER NITITAL V.S. POREIGN PATENT DOCUMENTS EXAMINER NITITAL V.S. PATENT DOCUMENTS V.S. PATENT DOCUMENT DOCUMENTS V.S. PATENT DOCUMENT DOCUMENTS V.S. PATENT DOCUMENT DOCUMENT DOCUMENT DOC									
Class APPLIEMENTAL Class APPLIEMENT Class SUB-CLASS FILING DATE APPLIEMENT APP		F	FORM P	TO-1449			110//	72,033	
INFORMATION DISCLOSURE STATEMENT WILLIAM ACRO A JOO4 AA AA AB AC AD AC AB AC AF AF AF AF AF AF AF AF AF		First	r Supp	LEMENTAL					
EXAMINER NITIAL AA AB AC AC AF AG AF AG AH AI AJ AK FOREIGN PATENT DOCUMENTS TRANSLATION YES NITIAL AN AN AN AN AN AN AN AN AN	Infor				ENT				
EXAMINER NITIAL AA DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AB AC AC AD AD AE AF AF AG AG AD AH AH AI AI AI AI AJ AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER NITIAL AL AC AND AND AND AND AND AND AND AND AND AND					710 DAG		1636		
NITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE	EXAMINER	T			U.S. PAT	TENT DOCUMENTS			
AB AC AD AE AF AF AG AH AI AI AJ AX FOREIGN PATENT DOCUMENTS EXAMINER NITIAL AL AM AM AN AN AN AN AN AN AN AN	INITIAL	<u> </u>	DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AC		AA	_					<u> </u>	
AB AE AF AG AG AH AH AI AI AI AI AI AI AI AI AI AI AI AI AI		AB							
AE AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AN AN AN AN AN AN AN AN		AC							
AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AM AM AN AN AN AN AN AN AN AN		AD							
AG AH AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AM AN AN AN AN AN AN AN AN AN		AE							
AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AM AN AN AN AN AN AN AN AN AN		AF		 					
AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AL AM AN AN AN AN AN AN AN AN AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AG			1				
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AL AN AN AN AN AN AN AN		AH							
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AL AN AN AO AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) JK AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		Al							
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL AL AL AN AN AO AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) JK AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AJ	\top						
EXAMINER INITIAL AL AL AM AM AN AN AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AK		·=					
AL AL AL AL AN AN AN AN AR 213 Document number AR 213 Document number AR AR 214 Document number AR AR AR AR AR AR AR AR AR A		1			OREIGN	PATENT DOCUMENTS			
AM AN AN AN AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)	EXAMINER INITIAL		DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	
AN No AN Yes AO Yes AO Yes AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AL							No
AN No Yes AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) JK AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AM							
AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AN							
JK AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AO							Yes
JK AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)					 				Yes
JK AR 213 Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 JK AS 213 Dialog File 351, Derwent World Patent Index, English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 JK AT 213 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)		AF		OTHER (I-]	han Title Date Portinent Page	e etc.)		No
JK AS 213 No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 Baum, J.A., "Tn5401, a New Class II Transposable Element From Bacillus thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)	JK	AR	213	Invitrogen Life	Technolog	gies online catalog, "Directiona 002. available at:	il TOPO É		
thuringiensis," J. Bacteriol. 176:2835-2845, American Society for Microbiology (1994)	JK	AS	213	No. FR 2 670 5	No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20)				
EXAMINER /James Ketter/ DATE CONSIDERED 07/14/2006	JK	AT	213	thuringiensis,	Tn5401, a " <i>J. Bacte</i>	New Class II Transposable riol. 176:2835-2845, Ameri	can Socie	ty for Micr	<i>llus</i> obiology
	EXAMINER			/James Ke	tter/		DATE CO	ONSIDERED	07/14/2006

					·			Page 15 of 15
			-		ATTY. DOCKET NO.		CATION NO.	
	F	ORM P	TO-1449		0942.5340005/BJD/JKM APPLICANTS	1 10/79	92,035	
	Firs	r Supp	LEMENTAL		Chesnut et al.			
INFOR			OSURE STATEME	NT	FILING DATE	ART		
				IIS DAT	March 4, 2004 ENT DOCUMENTS	1636		
EXAMINER	T							T
INITIAL	-	DOC	CUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	_						
	AB							
	AC	-				·		
	AD	_						
	AE						<u> </u>	
	AF	_						
	AG	-						
	AH			-				
	AI	-		<u> </u>				
	AJ			<u> </u>			 	
	AK		т	ODEICNI	PATENT DOCUMENTS		<u></u>	
EXAMINER	1					Gr + 65	CLUD CL ACC	TRANSLATION
INITIAL	AL	DO	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Yes
	AM			 			-	No Yes
	AN							No Yes
	AO			 -				No Yes
	AP			 				No Yes
	AP		OTHER (Inc	luding Aut	hor, Title, Date, Pertinent Page	es. etc.)		No
		T	OTHER (IIIC	iuuing Aut	nor, Title, Date, Tertiment Tug-	,		
јк	AR	214	Short, J.M., et properties," N	al., "λ ZA ucleic Aci	AP: a bacteriophage λ expre ds Res. 16:7583-7600, Oxfo	ssion vectord Unive	for with in the resist of the	vivo excision (1988)
JK	AS	214	U.S. Patent Ap		No. 10/991,803, Carrino el	tal., filed	November	17, 2004
	AT							
EXAMINER	<u> </u>	<u> </u>	/James Kette	=			ONSIDERED	07/14/2006
EXAMINER: I	nitial if refe	erence co	onsidered, whether or no	ot citation is in	conformance with MPEP 609. Draw line	e through citati	on if not in confe	ormance and not
considered. Incl	uue copy o	unis ior	m with next communica	mon to Applic	ent			

Equivatent of Form PTO/SB/08A (07-05)
Approved for use through 07/31/2006.
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Complete
Application Number
Filing Date
First Named Inventor
Art Unit
Examiner Name

Complete if Known					
Application Number	10/792,035				
Filing Date	March 4, 2004				
First Named Inventor	Jonathan D. CHESNUT				
Art Unit	1636				
Examiner Name	Ketter, James S.				
Attorney Docket Number	0942.5340005/BJD/JKM				

			U.S. PATENT DO	OCUMENTS	
Examiner Cite Initials No.		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines,
		Number-Kind Code ^{2 (If Known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passage or Relevant Figures'Appe
JK	AE22	5,552,314	09/03/1996	Greener	
1	AF22	5,695,971	12/09/1997	Kadokami et al.	
	AG22	5,910,438	06/08/1999	Bernard et al.	
	AH22	5,994,136	11/30/1999	Naldini et al.	
	A122	6,025,192	02/15/2000	Beach et al.	
	AJ22	6,040,138	03/21/2000	Lockhart et al.	
	AK22	6,110,735	08/29/2000	Chartier et al.	
	AA23	6,120,764	09/19/2000	Graham et al.	
	AB23	6,121,043	09/19/2000	Cochran et al.	
	AC23	6,140,087	10/31/2000	Graham et al.	
	AD23	6,156,497	12/05/2000	Kaleko	
	AE23	6,165,782	12/26/2000	Naldini et al.	
	AF23	6,228,646	05/08/2001	Hardy	
	AG23	6,277,620	08/21/2001	Gwynn et al.	1
	AH23	6,281,000	08/28/2001	Chartier et al.	
	A123	6,548,277	04/15/2003	Shuman	
	AJ23	6,576,463	06/10/2003	Kasahara et al.	
	AK23	6,916,632	07/12/2005	Chesnut et al.	
	AA24	6,964,861	11/15/2005	Gerard et al.	
	AB24	2003/0022179 A1	01/30/2003	Chesnut et al.	

	-4.0	Fo	DREIGN PATENT DO	DCUMENTS	
Examiner Cite Initials* No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Τ	
		Country Code ³ Number ⁴ Kind Code ³ (if known)]		₹
JK	AM23	WO 96/23904 A1	08/08/1996	Replicon, Inc.	
	AN23	WO 97/47758 A1	12/18/1997	Massachusetts Institute of Technology	
	AO23	WO 98/38326 A1	09/03/1998	Nature Technology Corporation	Г
	AP23	WO 98/56943 A1	12/17/1998	Sloan Kettering Inst. Cancer; Invitrogen Corp.	Г
	AL24	WO 2005/012487 A2	02/10/2005	Invitrogen Corporation	Г
	AM24	WO 2005/014796 A2	02/17/2005	Invitrogen Corporation	
					L
					L
	<u> </u>				

524798v1

Sheet

of

Signature Considered	Examiner Signature	/James Ketter/	Date Considered	07/14/2006
----------------------	-----------------------	----------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Equivalent of Form PTO/SB/08A (07-05) Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

		CHICGI BIO	r apcraon reduction recor 1333, tio	persona are required to respond to a contect	POLI OF MICHIES AND MICHIGAN CONTROL OF THE CONTROL OF THE PROPERTY OF THE PRO		
Substitute	for form	1449/PT	0	Complete if Known			
SECO	NID C	IIDDI	EMENTAL	Application Number	10/792,035		
	_	_		Filing Date	March 4, 2004		
INFORMATION DISCLOSURE				First Named Inventor	Jonathan D. CHESNUT		
STATEMENT BY APPLICANT				Art Unit	1636		
	(Use as	many she	rets as necessary)	Examiner Name	Ketter, James S.		
Sheet	2	of	2	Attorney Docket Number	0942.5340005/BJD/JKM		

Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines,
initiais	No.	Number-Kind Code ^{2 (Ir Koons)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
JK	AC24	2003/0175772 A1	09/18/2003	Wang, Jiwu	
	AD24	2004/0132133 A1	07/08/2004	Bennett, Robert P.	
	AE24	2004/0253620 A1	12/16/2004	Leong et al.	
	AF24	2005/0069929 A1	03/31/2005	Chestnut et al.	
	AG24	2005/0095615 A1	05/05/2005	Welch et al.	
	AH24	2005/0176065 A1	08/11/2005	Hanson, George Thomas	
	A124	2005/0181417 A1	08/18/2005	Miles et al.	
	AJ24	2005/0208530 A1	09/22/2005	Chesnut et al.	
	AK24	2006/0035269 A1	02/16/2006	Hartley et al.	
	AA25	2006/0035272 A1	02/16/2006	Brasch et al.	
			 		

			FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁴
						

Examiner Signature	/James Ketter/	Date Considered	07/14/2006
Signature		Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and this collection of information is required by 37 CFR 1,97 and 1,98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1,14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (07-05) Approved for use through 07/31/2008, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Jonathan D. CHESNUT

Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known 10/792,035 Application Number SECOND SUPPLEMENTAL March 4, 2004 Filing Date

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as

Substitut

Sheet

	is many sheets as necessary)		Art Unit	1636
s many sheels as necessary)		s necessary)	Examiner Name	Ketter, James S.
1	of	7	Attorney Docket Number	0942.5340005/BJD/JKM

First Named Inventor

Examiner	Cite No.1	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title	T
Initials*	One no.	of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T²
JK	AT214	Alonso, J.C., "Site-specific recombination in Gram-positive theta-replicating plasmids," FEMS Microbiol. Lett. 142:1-10, Elsevier Science B.V. (1996)	
JK	AR215	Amin, A.A., et al., "Synthesis of an Enzymatically Active FLP Recombinase In Vitro: Search for a DNA-Binding Domain," Molec. Cell. Biol. 9: 1987-1995, American Society for Microbiology (1989)	
JK	AS215	Andersen, A.H., et al., "Studies if the Topisomerase II-mediated Cleavage and Religation Reactions by Use of a Suicidal Double-stranded DNA Substrate," J. Biol. Chem. 266:9203-9210, The American Society for Biochemistry and Molecular Biology, Inc. (1991)	
JK	AT215	Aoki, K., et al., "Efficient Generation of Recombinant Adenoviral Vectors bt Cre-lox Recombination In Vitro," Molec. Med. 5:224-231, Springer (1999)	
JК	AR216	Berger, J.M., "Structure of DNA topoisomerase," <i>Biochim. Biophys. Acta 1400</i> :3-18, Elsevier Science B.V. (1999)	
JK	AS216	Bliska, J.B and Cozzarelli, N.R., "Use of Site-Specific Recombination as a Probe of DNA Structure and Metabolism in Vivo," J. Molec. Biol. 194:205-218, Academic Press Inc. (1987)	
JK	AT216	Carninci, P. and Hayashizaki, Y., "High-Efficiency Full-Length cDNA Cloning," Meth. Enzymol. 303:19-44, Academic Press (1999)	
JK	AR217	Caron, P.R. and Wang, J.C., "Appendix II: Alignment of Primary Sequences of DNA Topoisomerases," Adv. Pharmacol. 29B:271-297, Academic Press, Inc. (1994)	
JK	AS217	Chatterjee, P.K. and Sternberg, N.L., "Retrofitting High Molecular Weight DNA Cloned in P1: Introduction of Reporter Genes, Markers Selectable in Mammalian Cells and Generation of Nested Deletions," <i>Genet. Anal.: Biomolec. Eng. 13</i> :33-42, Elsevier Science B.V. (1996)	
JK	AT217	Cheng, C. and Shuman, S., "Recombinogenic Flap Ligation Pathway for Intrinsic Repair of Topoisomerase IB-Induced Double-Strand Breaks," <i>Mol. Cell. Biol.</i> 20:8059-8068, American Society for Microbiology (2000)	

524894v1

Examiner	/James Ketter/	Date	07/14/2006
Signature	/ James Retter/	Considered	07/11/2000

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

BODRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for	form 1449/P	то		Complete if Known		
CECONI	n cumpi		NIT A T	Application Number	10/792,035	
SECOND SUPPLEMENTAL				Filing Date	March 4, 2004	
INFORMATION DISCLOSURE				First Named Inventor	Jonathan D. CHESNUT	
			PLICANT	Art Unit	1636	
	(Use as man	y sheets a	s necessary)	Examiner Name	Ketter, James S.	
Sheet	2	of	7	Attorney Docket Number	0942.5340005/BJD/JKM	

		Non Patent Literature Documents	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T²
JK	AR218	Cheng, C., et al., "Conservation of Structure and Mechanism between Eukaryotic Topoisomerase I and Site-Specific Recombinases," Cell 92841-850, Cell Press (1998)	
JK	AS218	DiGate, R.J. and Marians, K.J., "Molecular Cloning and DNA Sequence Analysis of Escherichia coli topB, the Gene Encoding Topoisomerase III," <i>J. Biol. Chem.</i> 264:17924-17930, The American Society for Biochemistry and Molecular Biology, Inc. (1989)	
JK	AT218	Gotou, N., et al., "Gateway™ Cloning Technology," Exp. Med. Sci. 18:2716-2717, Invitrogen Corporation (2000)	Yes
JK	AR219	English language translation for Gotou, N., et al., "Gateway, Cloning Technology," Exp. Med. Sci. 18:2716-2717, Invitrogen Corporation (2000)	
JK	AS219	Gupta, M., et al., "Eukaryotic DNA topoisomerases I," Biochim. Biophys. Acta 1262:1-14, Elsevier Science B.V. (1995)	
JK	AT219	Hanai, R., et al., "Human TOP3: A single-copy gene encoding DNA topoisomerase III," Proc. Natl. Acad. Sci. USA 93:3653-3657, The National Academy of Sciences (1996)	
JK	AR220	Huang, LC., et al., "A bacterial model system for chromosomal targeting," Nucl. Acids Res. 19:443-448, Oxford University Press (1991)	
JK	AS220	Kanegae, Y., et al., "Efficient gene activation in mammalian cells by using recombinant adenovirus expressing site-specific Cre recombinase," Nucl. Acids Res. 23:3816-3821, Oxford University Press (1995)	
JK	AT220	Kijima, T., et al., "Application of the Cre Recombinase/loxP System Further Enhances Antitumor Effects in Cell Type-specific Gene Therapy against Carcinoembryonic Antigen-producing Cancer," Canc. Res. 59:4906-4911, American Association for Cancer Research, Inc. (1999)	

Examiner	/James Ketter/	Date	07/14/2006
Signature		Considered	0., 20, 200

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for	ubstitute for form 1449/PTO			Complete if Known		
CECONI	CHIDD		NITE A T	Application Number	10/792,035	
SECONI				Filing Date	March 4, 2004	
INFORMATION DISCLOSURE				First Named Inventor	Jonathan D. CHESNUT	
			PLICANT	Art Unit	1636	
((Use as man	y sheets as	necessary)	Examiner Name	Ketter, James S.	
Sheet	3	of	7	Attorney Docket Number	0942.5340005/BJD/JKM	

		Non Patent Literature Documents	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T²
JK	AR221	Kim, R.A. and Wang, J.C., "Identification of the Yeast TOP3 Gene Product as a Single Strans-specific DNA Topoisomerase," <i>J. Biol. Chem. 267</i> :17178-17185, The American Society for Biochemistry and Molecular Biology, Inc. (1992)	
JK	AS221	Kisu, Y., et al., "Development of high accuracy and high through put production multi purpose Gateway entry clones production. I. Improvement of the PCR condition for construction of the entry clone," abstract available at http://biotech.nikkeibp.co.jp/netlink/Ito/gateway/new_info/contents9.html, (2000)	Abs
JK	AT221	Kisu, Y., et al., "Development of high-throughput technology of entry clones of the multi-purpose Gateway cloning system (III): An improved method for high-efficient and high-fidelity construction of the entry clones," Poster Session of the Annual Meeting of Japan Society of Molecular Biology, Abstract No. 2P-730 (December 2001)	Yes
JК	AR222	English language translation of Kisu, Y., et al., "Development of high-throughput technology of entry clones of the multi-purpose Gateway cloning system (III): An improved method for high-efficient and high-fidelity construction of the entry clones," Poster Session of the Annual Meeting of Japan Society of Molecular Biology, Abstract No. 2P-730 (December 2001)	
JK	AS222	Li, Z., et al., "The traE Gene of Plasmid RP4 Encodes a Homologue of Escherichia coli DNA Topoisomerase III," J. Biol. Chem. 272:19582-19587, The American Society for Biochemistry and Molecular Biology, Inc. (1997)	
JK	AT222	Lieber, A., et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre- Mediated Excision Exhibit Different Biological Properties Compared with First- Generation Vectors In Vitro and In Vivo," J. Virol. 70:8944-8960, American Society for Microbiology (1996)	
JK	AR223	Liu, X. and Gorovsky, M.A., "Mapping the 5' and 3' Ends of Tetrahymena thermophelia mRNAs Using RNA Ligase Mediated Amplification of cDNA Ends (RLM-RACE)," Nucl. Acids Res. 21:4954-4960, Oxford University Press (1993)	
JK	AS223	Ng, P., et al., "A High-Efficiency Cre//loxP-Based System for Construction of Adenoviral Vectors," Human Gene Ther. 10:2667-2672, Mary Ann Liebert, Inc. (1999)	

			
Examiner	/James Ketter/	Date	07/14/2006
Signature	/James Ketter/	Considered	1 4,,,, -
o.gu		Commission	

^{*}EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for	form 1449/P	ro		Complete if Known		
CECONI	a crim n r	TO NATE:	NIT A H	Application Number	10/792,035	
SECOND SUPPLEMENTAL				Filing Date	March 4, 2004	
INFORMATION DISCLOSURE				First Named Inventor	Jonathan D. CHESNUT	
	STATEMENT BY APPLICANT			Art Unit	1636	
	(Use as many	sheets as	necessary)	Examiner Name	Ketter, James S.	
Sheet	4	of	7	Attorney Docket Number	0942.5340005/ВЈД/ЈКМ	

		NON DATERIT LITTER ATTITUDE DOCUMERITE	
Examiner Initials*	Cite No.1	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T²
JK	AT223	"pENTR Directional TOPO® Cloning Kits," <i>Invitrogen Manual</i> , catalog nos. K2400-20, K2400-480, K2400-500, K2420-20, K2420-80, K2420-500, Version B, Invitrogen Corporation, Carlsbad, CA, 48 pages (July 2002)	
JK	AR224	Petersen, B.Ø., et al., "Characterization of a DNA Topoisomerase Encoded by Amsacta moorei Entomopoxvirus," Virol. 230:197-206, Academic Press (1997)	
JK	AS224	Pfeifer, A., et al., "Delivery of the Cre recombinase by a self-deleting lentiviral vector: Efficient gene targeting in vivo," Proc. Natl. Acad. Sci. USA 98:11450-11455, National Academy of Science (September 2001)	
JK	AT224	"pLenti6/V5 Directional TOPO® Cloning Kit," <i>Invitrogen Manual</i> , catalog no. K4955-10, Version B, Invitrogen Corporation, Carlsbad, CA, 52 pages (May 2002)	
JK	AR225	Roca, J. and Wang, J.C., "The Capture of a DNA Double Helix by an ATP-Dependent Protein Clamp: A Key Step in DNA Transport by Type II DNA Topoisomerases," <i>Cell</i> 7/:833-840, Cell Press (1992)	
JK	AS225	Sekiguchi, J. and Shuman, S., "Requirements for noncovalent binding of vaccinia topoisomerase I to duplex DNA," <i>Nucl. Acids Res. 22</i> :5360-5365, Oxford University Press (1994)	
JK	AT225	Shashikant. C.S., et al., "Recombinogenic targeting: a new approach to genomic analysis - a review," Gene 223:9-20, Elsevier Science B.V. (1998)	
JК	AR226	Shuman, S., "Vaccinia virus DNA topoisomerase: a model eukaryotic type IB enzyme," <i>Biochim. Biophys. Acta 1400</i> :321-337, Elsevier Science B.V. (1998)	
JK	AS226	Shuman, S. and Bernard M., "Identification of a vaccinia virus gene encoding a type I DNA topoisomerase," <i>Proc. Natl. Acad. Sci. USA 84</i> :7478-7482, National Academy of Sciences (1987)	
JK	AT226	Walhout, A.J.M., "Protein Interaction Mapping in C. elegans Using Protein Involved in Vulval Development," Science 287:116-122, American Association for the Advancement of Science (2000)	

Signature James Ketter Date 07/14/2006 Considered	Examiner Signature	/James Ketter/	Date Considered	07/14/2006
---	-----------------------	----------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE sond to a collection of information unless it contains a valid OMB control number.

Substitute for	form 1449/P	то		Co.	mplete if Known
SECONI	n ciinni	TO NATIO	NIT A E	Application Number	10/792,035
	SECOND SUPPLEMENTAL INFORMATION DISCLOSURE			Filing Date	March 4, 2004
				First Named Inventor	Jonathan D. CHESNUT
			PLICANT	Art Unit	1636
	(Use as many	sheets as	necessary)	Examiner Name	Ketter, James S.
Sheet	5	of	7	Attorney Docket Number	0942.5340005/BJD/JKM

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T²
JK	AR227	Walhout, A.J.M., "GATEWAY Recombinational Cloning: Application to the Cloning of Large Numbers of Open Reading Frames or ORFeomes," <i>Meth. Enzymol.</i> 328:575-592, Academic Press (2000)	
JK	AS227	Wang, J.C., "DNA Topoisomerases: Why So Many?," J. Biol. Chem. 266:6659-6662, The American Society for Biochemistry and Molecular Biology, Inc. (1991)	
JK	AT227	Wang, Y., et al., "Targeted DNA recombination in vivo using an adenovirus carrying the cre recombinase gene," Proc. Natl. Acad. Sci. USA 93:3932-3936, National Academy of Sciences (1996)	
JK	AR228	Wilson, T.M., et al., "Cloning and Characterization of Drosophila Topoisomerase IIIβ," J. Biol. Chem. 275:1533-1540, The American Society for Biochemistry and Molecular Biology, Inc. (2000)	
JK	AS228	Yahata, K., et al., "Development of high accuracy and high through put production of multi purpose Gateway entry clones. Very low mutation frequency in constructing 60 entry clones of human full length cDNAs," abstract available at http://biotech.nikkeibp.co.jp/netlink/Ito/gateway/new_info/contents9.html (2000)	Abs
JK	AT228	Yahata, K., et al., "Development of high accuracy and high-throughput production method of the entry clone of multi-purpose Gateway system. (IV) Improvement of DNA sequencing method for Gateway entry clones," Poster Session of the Annual Meeting of Japan Society of Molecular Biology, Abstract No. 2P-731 (December 2001)	Yes
JK	AR229	English language translation of Yahata, K., et al., "Development of high accuracy and high-throughput production method of the entry clone of multi-purpose Gateway system. (IV) Improvement of DNA sequencing method for Gateway entry clones," Poster Session of the Annual Meeting of Japan Society of Molecular Biology, Abstract No. 2P-731 (December 2001)	
JК	AS229	Zhang, H.L., et al., "Escherichia coli DNA Topoisomerase III Is a Site-specific DNA Binding Protein That Binds Asymmetrically to Its Cleavage Site," J. Biol. Chem. 270:23700-23705, The American Society for Biochemistry and Molecular Biology, Inc. (1995)	

Examiner Signature	/James Ketter/	Date Considered	07/14/2006

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE bond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT			DIT A E	Application Number	10/792,035
				Filing Date	March 4, 2004
				First Named Inventor	Jonathan D. CHESNUT
				Art Unit	1636
(Use as many sheets as necessary)		Examiner Name	Ketter, James S.		
Sheet	6	of	7	Attorney Docket Number	0942.5340005/ВЈД/ЈКМ

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T²
	AT229	Copy of Office Action for United States Patent Application No. 09/432,083, Hardey et al., mailed June 16, 2005	
	AR230	Copy of Office Action for United States Patent Application No. 09/517,466, Hartley of ut., mailed November 18, 2005	
	AS230	Copy of Office Action for United States Patent Application No. 09/855,797, Hartley er-al., mailed April 20, 2005	
	AT230	Copy of Office Action for United States Patent Application No. 09/855,797, Hartley et al., mailed October 11, 2005	
	AR231	Copy of Office Action for United States Patent Application No. 09/907,719, Hartley et al., mailed July 26, 2005	
	AS231	Copy of Office Action for United States Patent Application No. 10/058,291, Hartley et ul., mailed April 28, 2005	
	AT231	Copy of Office Action for United States Patent Application No. 10/058,291, Hartley et al., mailed October 21, 2005	
	AR232	Copy of Office Action for United States Patent Application No. 10/058,292, Hartley et al., mailed May 26, 2005	
	AS232	Copy of Office Action for United States Patent Application No. 10/058,292, Hastley of ut., mailed November 18, 2005	
	AT232	Copy of Office Action for United States Patent Application No. 10/151,690, Brasch et al., malled April 18, 2005	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known			
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			RITAL	Application Number	10/792,035
				Filing Date	March 4, 2004
				First Named Inventor	Jonathan D. CHESNUT
				Art Unit	1636
			necessary)	Examiner Name	Ketter, James S.
Sheet	7	of	7	Attorney Docket Number	0942.5340005/BJD/JKM

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	Т
	AR233	Copy of Office Action for United States Patent Application No. 10/162,879, Hartley et al., mailed April 28, 2005	
	AS233	Copy of Office Action for United States Patent Application No. 10/162,879, Hartley at ul., mailed October 29, 2005	
JК	AT233	United States Patent Application No. 11/106,715, Byrd et al., filed April 15, 2005	
JK	AR234	United States Patent Application No. 11/290,804, Gray et al., filed December 1, 2005	
		·	
			T

	~		
Examiner	/James Ketter/	Date	07/14/2006
Signature	/ Jumes Redeel/	Considered	07/14/2000

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.